19990412.qrp v01_n424.qrl.990412

Date: Mon, 12 Apr 1999 19:08:20 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1424

QRP-L Digest 1424

Topics covered in this issue include:

43) [37905] Hi-Mound MK708 straight key for sale
    by Scott Howell <whowell@hq.nasa.gov>
44) [37906] Re: Glacier hamfest (fwd)
    by Bruce Rattray <rattray@gpfn.sk.ca>
45) [37907] Re: Iambic Type A or B
    by "Robert Radtke" <rradtke@hutman.net>
46) [37908] Auction
    by Brad Mugleston <bmug@gwl.com>
47) [37909] RE: Iambic Type A or B
    by "Roger A. McCarty" <rmccarty@earthlink.net>
48) [37910] 10T Dials for NC20, etc.
    by Larry East <w1hue@amsat.org>
49) [37911] Half computer, half world radio feature
    by Michael Fletcher <kl7ixi@usa.net>
50) [37912] K2 Solder Confusion
    by "Steve Miller" <kg7pv@hevanet.com>
51) [37913] Re: 10.106 Jammer
    by Vic Rosenthal <rakefet@rakefet.com>
52) [37914] Re: Iambic Type A or B
    by Vic Rosenthal <rakefet@rakefet.com>
53) [37915] ARCI Contest from C6A...
    by Bruce T Hopkins <KL7H_C6A@compuserve.com>
54) [37916] Contest
    by Tim Pettibone <tpettibo@NMSU.Edu>
55) [37917] 50K ohm mike on rig needing 500 ohm
    by "Brockwell, Stephen E." <brockwse@fssec.army.mil>
56) [37918] Re: Iambic Type A or B
    by Ron Stark <ku7y@dri.edu>
57) [37919] Re: Iambic Type A or B
    by "Edward A Kwik jr" <eakwikjr@hti.com>
58) [37920] 11-2-10 kit f/s
    by bcutter@teal.csn.net (Bob Cutter)
59) [37921] RE: Items For Sale in Hamburg, Germany
    by "Ronald H. Evans" <rhevan1@ibm.net>
60) [37922] Another spring sale
    by "Stephen Gibson" <SWGibson@worldnet.att.net>
61) [37923] RE: Iambic Type A or B
    by Chuck Adams <adams@ticnet.com>
62) [37924] Re: Speaker Buzz in K2?
    by "Eric Swartz - Elecraft, WA6HHQ" <erics@elecraft.com>
63) [37925] Measuring RF Voltage, RF Current (errors fixed)
    by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
64) [37926] K9LU Micro-Paddle
    by "Steven Weber" <kd1jv@moose.ncia.net>
65) [37927] FS: Small Wonder Labs 80-40
    by Jerry Parker <jparker@fix.net>
66) [37928] Re: Iambic Type A or B
    by Mike Manship <mjmanship@iquest.net>

67) [37929] RE: Iambic Type A or B; corrected by the best:-)
    by "Roger A. McCarty" <rmccarty@earthlink.net>
68) [37930] Re: Iambic Type A or B
    by "Charles R. Ott" <k5hj@fastlane.net>
69) [37931] QRP ARCI
    by "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
70) [37932] Solder, flux & electronic parts 101
    by Bradford D Bilbrey <bigdawg74@juno.com>
71) [37933] Winter & Spring Issues of QRPp
    by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
72) [37934] For sale, OHR-400 ....
    by "Walter D. Amos" <waltk8cv@surfree.com>
73) [37935] 11-2-10 kit sold
    by bcutter@teal.csn.net (Bob Cutter)
74) [37936] Re: Iambic Type A or B
    by applitech@mcg.net (Claton Cadmus)
75) [37937] Re: QRP ARCI Spring QSO party
    by "Kent, AE4Y" <ae4y@hotmail.com>
76) [37938] Question about crystals
    by "Barry L. Geipel - AD6HR" <bgeipel@primenet.com>
77) [37939] Re: ARCI Contest from C6A...
    by elawson@lr.net (Ed Lawson)
78) [37940] Antenna Recommendations
    by Rich Vizcarra <RVizcarra@Filss.com>
79) [37941] Correction on Kester solder part numbers
    by Wayne Burdick <n6kr@elecraft.com>
80) [37942] Ten-Tec PC Rcvr
    by dave_epps@juno.com
81) [37943] Re: Winter & Spring Issues of QRPp
    by "Mark A. Andrews" <KE4IOF@HiWAAY.net>
82) [37944] Re: Ten-Tec PC Rcvr
    by James Parsons <k5rov@wcc.net>
83) [37945] CW shaping/bandwidth/speeds [long]
    by Chuck Adams <adams@ticnet.com>
84) [37946] RE: Iambic Type A or B; corrected by the best:-)
    by Chuck Adams <adams@ticnet.com>
85) [37947] Unique micropaddle
    by Jeff Gold <JGold@tntech.edu>
86) [37948] Zombie Reunion
    by Joseph Mikuckis <k3chp@erols.com>
87) [37949] RE:PatComm PC-9000 XCVR
    by Sam Billingsley <SBillingsley@usaninc.com>
88) [37950] Linux
    by Brad Mugleston <bmug@gwl.com>
89) [37951] TS-50 *SOLD"*
    by "Wilford D. Lindsey" <70511.3041@compuserve.com>
90) [37952] Spread Spectrum
    by Laura Halliday <lha@sdr.utias.utoronto.ca>

 91) [37953] RE: Spread Spectrum
     by "Nathan Odle" <nodle01@mail.coin.missouri.edu>
 92) [37954] Kit to buy now...
     by "Bob Smith" <bsmith@msn.com>
 93) [37955] Looking for schematic/parts for a Stoner RT-/PMC-12
     by Jim Cotton <cotton@wmich.edu>
 94) [37956] IC-706 Power Consumption @ 5w ?
     by "Kevin Russell" <kevin.russell@eng.sun.com>
 95) [37957] Re: IC-706 Power Consumption @ 5w ?
     by bump-km3d@redrose.net
 96) [37958] RE: Zombie Reunion
     by "John L. Sielke" <n4js@pobox.com>
 97) [37959] Need a SPRAT page copy
     by K6AEC <rob3ert@vegas.infi.net>
 98) [37960] Re: Zombie Reunion
     by "Ron Polityka" <wb3aal@talon.net>
 99) [37961] homebrew antenna tuner questions
     by Andy C Meng <andymeng@juno.com>
100) [37962] NC-20 Question
     by "Ron Polityka" <wb3aal@talon.net>
101) [37963] Ten-Tec desk microphone kit?
     by Arjen Raateland <Arjen.Raateland@vyh.fi>
102) [37964] Re: IC-706 Power Consumption @ 5w ?
     by Bob Patten <n4bp@bc.seflin.org>
103) [37965] Hallicrafters Question
     by KB9OCE@aol.com
104) [37966] QRP ARCI Contest/N0UR
     by Jim NOUR <n0ur@yahoo.com>
105) [37967] IC-706 power consumption
     by KM3D <bump-km3d@redrose.net>
106) [37968] Contest Scoring - A suggestion
     by VE3JC - John C <jbcumming@wwdc.com>
107) [37969] SPRAT Page 5
     by "Tony Fishpool" <g4wif@btinternet.com>
108) [37970] Re: Glacier hamfest (fwd)
     by VE3JC - John C <jbcumming@wwdc.com>
109) [37971] Spring QSO Party entries
     by "Cam Hartford" <camqrp@cyberg8t.com>
110) [37972] RE:PatComm PC-9000 XCVR
     by "Vincent Ferme" <vferme@sprint.ca>
111) [37973] Re: Zombie Reunion
     by "Harry T. Hurst" <hhurst@delaware.infi.net>
112) [37974] 3rd World NC20 kits
     by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
113) [37975] New kit on the air!
     by Jim Glover <psykey@okcforum.org>
114) [37976] Re: Yesterdays Contest
     by VE3JC - John C <jbcumming@wwdc.com>

115) [37977] Re: [Contest Scoring - A suggestion]
     by Roy Lincoln <wa4dou@usa.net>
116) [37978] lost an email
     by Andy C Meng <andymeng@juno.com>

Date: Sun, 11 Apr 1999 17:20:35 -0600
From: Tom Quayle <tquayle@montana.com>
To: qrp-l@Lehigh.EDU
Subject: [37863] RE: QRP For Sale
Message-ID: <37112E43.68D98438@montana.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gentlemen:
The OHR 100A 30M kit and the NorCal 20 kit have been sold.
Thanks for the great response!
Tom - W7ARR - Butte, MT

Date: Sun, 11 Apr 1999 19:35:47 -0400
From: Pete Burbank <plburbank@kih.net>
To: bigdawg74@juno.com
Cc: <qrp-l@Lehigh.EDU>
Subject: [37864] Re: Yesterdays Contest
Message-ID: <3.0.32.19990411193540.006d7778@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:41 AM 4/11/99 -0700, you wrote:
>Hello All;
>   Yesterdays QRP Contest was the first CW QRP contest that I have
>ever partisipated in. The question is how to gauge one's performance.

Brad, Contests are sorta like everything else in life.
      How much fun you had.
      Whether you caught any diseases.
      Whether you got shot or wrecked your car on the way home.
      How you feel the next morning.

Otherwise, contests are like a pile of healthy puppies.
72/3 Pete NV4V KY.

Date: Sun, 11 Apr 1999 18:37:52 -0500 (CDT)
From: ac5ez@webtv.net (Larry B)
To: qrp-l@Lehigh.EDU
Subject: [37865] Radiated Pwr
Message-ID: <26389-37113250-12980@mailtod-111.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

In attempting to radiate as much pwr as possible (5 watt max) ,would
relocating the R5 vertical to an open area help matters ?
The R5 has been enveloped by a leafy tree which may increase the swr
when the leaves are wet . Would the relocation effort be worth it?
Would painting the elements (to help hide it) have any effect on the
antenna ? I suspect not , but one does wonder ?
All ideas welcome
K1zw Larry

Date: Sun, 11 Apr 1999 17:17:46 -0700
From: Jim Lowman <jmlowman@ix.netcom.com>
To: tjarey@home.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37866] Re: How could we work this out???
Message-ID: <4.1.19990411171451.009fca60@ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:29 PM 4/9/99 -0400, T.J. \"SKIP\" Arey N2EI wrote:
>My point exactly... Guys Like Doug, Jim, George and so many others give
>so much of their personal time to put out really high quality
>publications for us that it is a shame that they often get inundated by
>e-mails around-about publishing time by folks wondering when the next
>issue is going to hit the mail. If we, as a group, could figure out a
>common way to let folks know when things are likely to hit the streets,
>all the various editors and publishers would be blessed with a lighter
>load on their mail servers.

Norcal has a nice website, designed by Jerry Parker, WA6OWR. Perhaps
we could ask Jerry to put up a notification when the latest issue of QRPp
is shipping.

72 de Jim - AD6CW

Date: Sun, 11 Apr 1999 16:19:02 -0700
From: Brian Kassel <bkassel@dancris.com>
To: QRP-L <QRP-L@lehigh.edu>
Subject: [37867] ARCI Spring 1999 Results - W5VBO
Message-ID: <37112DE6.43D26FC5@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gangue:

  I decided to do a little something different this time and go for the "single band" category. The raw QSO's follow, all on 20M, 4.8 watts using my TT Argosy digital rig. I used the TR duping program on my ancient 386 notebook, which also keyed the rig. The antenna was my 3 EL trap triband beam up 35 feet.

Total 20M QSO's 212 (My goal was 200)

Domestic Multipliers 46
DX Multipliers 1 (Good old Cam, HP1AC - Thanks OM)

I missed the following for WAS:
AK DE HI ME MT RI WY

I was only able to bag 4 Canadian Provinces though.

Total operating time was right at 20 hours. I got plenty of sleep and lots of breaks, no pressure to QSY to another band by going with the single band entry.

Thanks, as always to the great folks at ARCI for providing the opportunity to have so much fun.

I sure hope that the ARCI contest folks can see their way clear to arrange the date of the Fall 1999 event so that there are no conflicts with Pacificon. I'm ready to do it all again!

Brian W5VBO
AZ ScQRPions

Date: Sun, 11 Apr 1999 20:25:39 -0400

From: Mike Czuhajewski <wa8mcq@erols.com>
To: QRP forum <qrp-l@lehigh.edu>
Subject: [37868] Re dummy loads
Message-ID: <37113D83.1919@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Another input on whether dummy loads radiate or not: A couple years ago I noticed that when I connected my MFJ 300 watt dummy load to my rig with a 3 foot coaxial cable, I could sometimes hear signals on the receiver. They were all quite weak but still there. I discovered that I could wiggle the connector on the dummy load and they would come and go.

The culprit? The SO-239 socket was riveted to the box of the load, and at only two points as I recall. The connection was obviously not extraordinarily robust, and with a bit of movement of the PL-259 plug the tenuous connection between the body of the socket and the dummy load box would open up. The solution was quite simple. I removed the rivets and secured the socket with screws and lockwashers.

With the ground open, the box itself plus the load resistor became in effect a very short antenna attached to the end of the coax. Not very efficient or effective, of course, but still an antenna nonetheless. (And had I transmitted like that, I would have seen a very high SWR but some signal would have been radiated.)

The moral of the story is to be sure the connectors on your dummy loads have good ground connections, and don't rely on rivets alone for grounds. And if you hear weak signals in your receiver when you have a dummy load connected, check the dummy load as well as connecting cables for a possible open circuit somewhere.
--
73 and Queue Our Pea de WA8MCQ wa8mcq@erols.com

Date: Sun, 11 Apr 1999 18:33:20 -0700
From: Zeek ZIlch <zeekzilch@chisp.net>
To: qrp-l@lehigh.edu
Subject: [37869] 10.106 Jammer
Message-ID: <37114D60.786BBC8E@chisp.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Has anyone been copying the CW "Broadcaster" on 10.106 MHz lately? For the past few weeks "he" has been sending "GOD 666" every few minutes or so, around-the-clock. Today I noticed he is now sending "Christ be cursed." Maybe we could pinpoint his location with a few continent-wide signal reports and beam headings??

Roger J. Wendell
WB0JNR

Date: Sun, 11 Apr 1999 19:29:29 -0500
From: Ron Keener <rkeener@realtime.net>
To: Macstein@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37870] Re: SW40+
Message-ID: <37113E69.CFA@realtime.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

way to go Mac!!!!!!!

WAS qrp and it wasnt long ago you were amazed that i could hear you in texas

72/73
ron wa0ree

Date: Sun, 11 Apr 1999 18:32:41 -0600
From: jaywa5whn@juno.com
To: qrp-l@lehigh.edu
Subject: [37871] QRP-ARCI Contest
Message-ID: <19990411.183245.-171197.0.jaywa5whn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

WOW! Herds of Hams on during this QRP contest. I would scan up above 21.1 MHz & 28.1 MHz listening for any one calling CQ QRP Test, or something like that on the hour. Where are all of the Novices & Techs?

My operating times were sporadic during this contest. For this particular

ARCI contest, I had operated QRP HF mobile, plus at the ABQ QTH {DM65qd} & from downtown Ponderosa, NM {DM65pp}.

KL7H/C6A nice signal on 21.06 MHz @ 2125 UT {4-11-99}. I was QRP mobile then & had to dodge traffic {wedding procession, down a single lane dirt road} {DM65pp}. ;-)

Lots of 599 signals. HP1AC, Cam is always there.

N4BP & W4ED both 599 beacons. I had even worked AB7MY, who was camping out in the hills of AZ. Gary was abusing a Ham Stick dipole up 20 feet on 40 meters {599}.

On 10 meters {28.06 MHz}, there were some strange radiation angles, sometimes I could not copy people on the beam, yet I could hear them S-2 on the vertical, and sometimes the reverse would happen. Foolish me, I would point the beam in the direction of the station. Deja Vue of the VHF contests.

QRP HF mobile is really a lot of fun. I am glad this was a cw contest {Lots of mariachi music in the backround, local QRM}.

My thanks to N6GA, who has quietly been the ARCI Contest Mgr. for many years.

Next on the calendar is April 24, QRPTTF 1999 {Contest Mgr: AB7TT, Jose de Gervais}.

Let's see, there is a Taco Bell disguised as a Thrift Way in downtown San Ysidro, NM {elevation: 5,500 ft asl}. That's 9 miles south of where I will be {DM65pp, elevation 6,100 ft asl}. Where's my 10 X 80 binoculars? ;-)

FYI- Several of the 10K ft peaks locally have clocked 122+ mph winds on top in recent days. WB5QYT, use a large box kite.   ;-)

I only have one request for QRPTTF, N7KT & KK6MC {The 4 Corners crew}, please drop to 40 cw during the day so some of us locals can work you both.   :-)

From Dark Sky Country {8" Meade SCT}...Jay, WA5WHN DM65pp Ponderosa, NM USA

Date: Sun, 11 Apr 1999 20:51:10 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: Jim Lowman <jmlowman@ix.netcom.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37872] Re: How could we work this out???
Message-ID: <3711437E.93705B4E@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

A good idea Jim. That could get the ball rolling and maybe other groups will follow suit. If you think about it, if folks know that the publishing date is going to show up on the club page they should be more patient. You don't even need for it to show on the page with a lot of lead time, just lettting folks know things are in the mail should work just fine.

> Norcal has a nice website, designed by Jerry Parker, WA6OWR. Perhaps
> we could ask Jerry to put up a notification when the latest issue of QRPp
> is shipping.
>
> 72 de Jim - AD6CW

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  T.J. "SKIP" AREY N2EI   e-mail tjarey@home.com

     Website   http://members.home.net/tjarey

     Snail Mail: PO Box 236, Beverly, NJ 08010

   Specialization is for insects!   LAZARUS LONG

Date: Sun, 11 Apr 1999 20:56:38 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "njqrp@njqrp.org" <njqrp@njqrp.org>, "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [37873] Another Contest come and gone
Message-ID: <371144C6.C7266CC@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Fun weekend contest. Nice mellow speeds with lots of patient folks
helping each other out through the exchanges. Most of my activity was on
40 meters. Lots of great fists out there. Didn't get to do much Sunday
evening due to heavy local thunderstorms but has fun up until then. I
only operated casually but this contest inspires me to make a real
effort next time around.

--
++

  T.J. "SKIP" AREY N2EI   e-mail tjarey@home.com

     Website   http://members.home.net/tjarey

     Snail Mail: PO Box 236, Beverly, NJ 08010

   Specialization is for insects!   LAZARUS LONG

Date: Sun, 11 Apr 1999 21:05:15 EDT
From: N1ODL@aol.com
To: qrp-l@lehigh.edu
Subject: [37874] QRP Contest this weekend
Message-ID: <4354c172.2442a0cb@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Got several oppertunities to give my Wilderness SST-20 a good workout this
weekend. Was in and out a lot and jumped on 20 meters as much as possible.
Made quite a few qso's and got good practice on my new whiterook MK99 keyer.
still getting used to it and do like it a lot.
I think this contest is a great idea and gives the newcomers a chance to get
up to speed on the contesting. I know it helped me.
I look forward to the next one. I found the list of QRP contests on the web
and have it sitting right next to my desk at the office so I don't miss any.

Getting home is the hard part.
Just my thoughts.
Aron
N1ODL/qrp
Bedford, NH
FISTS#4110
QRP-L#1326

Date: Sun, 11 Apr 1999 21:12:57 -0400
From: Bob Edwards <w4ed@flash.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [37875] QRP-ARCI Contest Spring'99
Message-ID: <37114899.E89B5675@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Started Saturday with an experiment on a small loop, then I got hooked
on the fun/challenge of QRP contesting.

Saturday and part of Sunday I used the experimental loop, ZM-1, K2
and made good contacts at a nominal contest rate. Then the wind kicked
up and the surface area of the loop on top of the SLV pole started
to bother me. It never broke, but I didn't give it much of a
chance either. We had some +30 knots gusts later.

So down came the loop, and my category changed to in-side, and the
antenna improved via a big 80m horizontal loop.

Good to hear Zack/W1VT, we QSO's on two bands. Also glad to work Cam/N6GA.
I want to say thanks to Cam for the many thankless years of sorting out
our log sheets. Very good job Cam, thanks.

A real surprise was HB9DCL/Frank near Zurich & with a (low) ARCI # too.
Next contact was LY2FE/Argentina at 5W, got to love this solar cycle thingy.

Ruff QSO count:
10m 15
15m 30
20m 58
40m 20

   123

/|

Bob   72/73
Z'# 114
http://www.qsl.net/w4ed
W4ED nr Atlanta @EM73wt
....."QRP", more from less....

~~~~~~

Date: Sun, 11 Apr 1999 20:16:39 -0500
From: Jeff Johns <jeffj@scott.net>
To: qrp-l@Lehigh.EDU
Subject: [37876] SW40+ / Ten-Tec 1553 Keyer Problem Update
Message-ID: <199904120116.UAA31409x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Thanks to everyone that has offered suggestions about how to fix me keyer problems. I wanted to let everyone know what I have done so far and where I stand with my problem. For the sake of the discussion I am talking about a SW40+ that keys perfectly with a straight key and a Ten-Tec 1553 keyer that is functional and will key my HTX-100 and another local hams Icom rig.

The problem is when I hook the keyer up to the SW40+, I get an immediate 'key down' situation with the rig :(

Here's what I have done to try and correct the situation:

1) Reversed the wires coming from the keyer to the SW40+

2) Reversed the wires on the key jack inside the SW40+

3) Changed resistor R20 from 22K to 10K based on a recommendation from Dave Benson

4) Said a couple of Hail Marys and considered consulting with my priest to have him exorcise the 'anti keying' demon from my rig <grin>

After doing the above things the keyer still won't work with the rig. Using my DVM, I have made the following observations about the keyer:

1) With the keyer turned off (no power connected) there is continuity between the to wire that come from the keyer and go to the rig

2) When the keyer has power applied and I use the paddles the resistance between the two wires that come from the keyer and go to the rig goes
~~~~~~

from high resistance to low resistance when sending a dit or dah via
the paddles

Are these things what the keyer should be doing? I kinda think it might be the keyer that is causing me problems and not the SW40+, except for the fact that it does key other rigs. A few people have mentioned that I might have a 'leaky' transistor in the keyer. Using my meter how do I check the transistor? I guess I'm wondering if I should give up and go to Radio Shack and buy a small relay and just have the keyer key that, but I'm unsure if that will even work :-/ ?

Well, gang, once again I open the floor to comments or suggestions on the problem. Several people have replied to me in private email and have told me they have almost the exact same problem, so at least I'm not alone in the ordeal. I'm willing to try anything that you guys and gals think I should do.

73 Jeff W4JEF


```
    *--------- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 ----------*
    |jeffj@scott.net  w4jef@amsat.org |     Reserve Patrol Captain     |
    |  Satellite: Mir R0MIR-1, AO-27  | Jefferson County Sheriff's Dept|
    |200LX+BayPac+FT50=Portable Packet|     QTH Birmingham, AL USA     |
    *-----------------------------------------------------------------*
```

Date: Sun, 11 Apr 1999 18:24:12 -0700
From: Jim <w7ls@blarg.net>
To: J38AL@aol.com, qrp-l@lehigh.edu
Subject: [37877] Re: Dale Resistor Question
Message-ID: <37114B3C.B2F38872@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Nope. They are wirewound. You can verify that with a grid dip oscillator and a capacitor. You won't find a big dip, as the Q of the circuit is not going to be very high, due to the resistance. 73 de Jim, W7LS

J38AL@aol.com wrote:

> Hi,
>
> I have two Dale Resistors - aluminum body with cooling 'fins' and holes for
> screw mounting. They are 100 ohm 50 watt 1% and have RH-50 on them. My

> question is are they inductive or non-inductive?? Could I parallel them for a
> 50 ohm dummy load??
>
> Thanks,
> 72 Al N2ZHS
> Scotia, NY

Date: Mon, 12 Apr 1999 01:21 +0000
From: Rod Cerkoney <rwc@frii.com>
To: <qrp-l@lehigh.edu>
Subject: [37878] QRP ARCI Spring QSO party
Message-ID: <199904120122.TAA18083@deimos.frii.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well that was fun! About 10 hours of OP time got me about 55 QSO's: 29 states, 2 or 3 Canadian Provinces, and Panama! All this with ONE watt! The setup here is:

- NorCal 40A with KC-1 & NorCal 20 with the New RS 3A supply
- Icom 746 on 10, 15, and a little 20 & 40M
- My $5 dipole described on QRP-L a few weeks ago
- WM-1 wattmeter, MFJ 949E tuner & bencher paddles

I chose to work a casual pace, relax & have fun. I did, I did, I did! ;-)

What I liked best about this contest was the polite & patient OP style of all the others. All the faster OP's slowed to accommodate my speed, and fills were never a problem, had a couple of 339s but the OPs stuck with it--THANK YOU all.

Only one regret, I should have joined QRP ARCI sooner. I did join, but I haven't received a number yet. Oh well no biggie, the fun factor is what I was after. I planned on only a few hours, but got hooked. When I got to 20 states in only a few hours, I set a goal of 30 states then quit, only missed by one. I'm going to like this club!

BTW: The NorCal Resistor kit was used too! I built an ALC control to get my Icom down to one watt. A couple of NCR's, a 10K pot (surplus from a 10T conversion), and in QRP style--built into an old plastic Succrets box. :-)

Now for the paper work, UGH, I did the paper log thing....

Next year a K2 & computer control! Well at least a K2 & computer loging.

Thanks again for a great time folks, and thanks to the QRP ARCI folks who make these things happen--good job!

Rod Cerkoney, N0RC
Fort collins, CO

Date: Sun, 11 Apr 99 18:23:26 -0700 (PDT)
From: John Watrous <jwatrous@groucho.santarosa.edu>
To: qrp-l@Lehigh.EDU
Subject: [37879] QRP contest de K6PZB
Message-ID: <Pine.3.89.9904111805.A3928-0100000@groucho.santarosa.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks for all who participated.
I had a great time and this was my first!

QRP Contest
10 April 1999
K6PZB CA 2W
5 hours on Saturday and one on Sunday--Great contest!

40m QSOs

N6GA CA 962

20m QSOs
In chrono order

K5HQV MS 9534
K0EVZ ND 9398
K5AM NM 8295
W9KV CO 6876
W5VBO AZ 3629
K0FRP CO 8601
WA8GHZ TX 5W
AB7MY AZ 5W
AE0Q CO 9277
VE6EY AB 112
N9AG OH 2942
WB0WQS CO 6876
N0SS MO 5W
KE7MU AZ 5W
K5AAR OK 8255

KI0G CO 3399
AF5Z TX 8607
W3YK NM 8283
AB7TT AZ 8964
WJ7H UT 5891
WA8ZBT TX 7241
VE7SL BC 6076
WA2OCG WA 9347
N8ET OH 7450
WK2G NJ 5W
VE7CQK BC 9010
W6YA CA 5W
AC7A AZ 3726

15M

NY4N TN 7796
K5HQV MS 9534
HP1AC PANAMA 6305
W1VT CT 5123
AE4Y GA 4175
N4BP VA 3412
KR0I MO 3227
K4ZM AL 8924
KR2Q NJ 6506
N0UR MN 6846
KL7H/C6A BAHAMAS 9061
K5LG AR 5W
N4DD TN 7627
N8ET OH 7450
VE3JC ON 9384
K9PV/M NM 4W
AC5K TX 5147
N1TM CT 50W
WA4DOU NC 2330
K5AM NM 8295

10M

K5EYE TX 9097
WA8GHZ TX 5W
AE4Y GA 4175
N8ET OH 7450
NY4N TN 7796
K5LG AR 5W
AC5K TX 5147
K5IQ LA 3W

AE4GX   GA   5W

--END--

John Watrous, K6PZB
CM88nk Graton CA
ARS #211
jwatrous@groucho.santarosa.edu

Date: Sun, 11 Apr 1999 20:28:36 -0500
From: "Chuckee" <cdhamel@pdq.net>
To: "QRP-L Mailing List" <qrp-l@Lehigh.EDU>
Subject: [37880] Iambic Type A or B
Message-ID: <000501be8483$cabfc420$70e590d1@charles>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am in the process of building Tejas Deluxe Mini-Keyer Kit (Model 92001 A),
I will be using this keyer with a SWL 40+ QRP Rig, (That I have not bought
yet), The keyer can be set with Type A Iambic Keying or Type B Iambic
Keying.

Question is which setting do I need to work with the SWL 40+??

Thanks

Charles (KC5DXQ)

Date: Sun, 11 Apr 1999 19:31:31 -0600
From: Pat Byers <pbyers@rttinc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, <qrp-
canada@lists.gpfn.sk.ca>
Subject: [37881] QRP ARCI Spring QSO Party
Message-ID: <4.1.19990411191731.0098ff00@mail.rttinc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, there's a first time for everything, I guess. I've never been a

contester but now I've worked in two in one week.

This weekend's contest was lots of fun. I only operated casually and intermittently but I managed 27,440 points. Thank goodness for those multipliers.

My goal was to work only 20-15-10 with just less than 1 Watt. Before the contest started, I diligently tunned my Argo 509 to almost one watt on 20m (slightly less on 15m & 10M) but I began the contest with an SW-20+. I worked six stations before I thought to check its power output. It was 1.5 Watts. Arrgh! There went my x10 multiplier.

Anyway, I left the Argo at 1 watt and switched between it and the SW-20+ at 1.5 watts for the duration of the contest. Thanks to a bunch of patient operators with good ears, I did better than I expected.

73,

Pat Byers, VE6AAN

Date: Sun, 11 Apr 1999 21:50:06 -0400
From: "Arch Jenkins" <beaks@westco.net>
To: "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [37882] Rig sold
Message-ID: <007601be8486$cc064680$14dc0bd0@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The Oak Hills Classic is already spoken for, thanks to all who emailed me. I still have the 40 meter mobile SSB/CW 50 watt rig and the Datong FL-1 audio filter, 200 on the mobile rig and 45 for the nifty filter. Will swap for something interesting...tube gear, 440 mobile rig, tube tester, or ???
Thanks!
Arch N8EAG
beaks@westco.net

Date: Sun, 11 Apr 1999 20:58:18 -0500

From: Dave Redfearn <n4elm@texoma.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37883] Speaker Buzz in K2?
Message-ID: <3711533A.B00430C4@texoma.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Guys,

I had a little spare time this weekend and actually
made a few contacts on 20 and 15 Meters in the QRP contest
with the K2.

Since this was a casual operation, I was not using headphones.
I noticed a pretty strong buzz in the internal speaker at 600-700 Hz.
I tried the phones and an external speaker and no buzz, so I think
the problem may be the speaker or the cabinet/speaker combination
may be resonant around 600-700 Hz.

Has anyone else seen this?

73 - Dave
==========
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKtexoma.net (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Sun, 11 Apr 1999 19:01:49 -0700 (PDT)
From: Paul Erickson <paule@sfu.ca>
To: qrp-l@lehigh.edu (qrp)
Subject: [37884] Spring QRP ARCI '99 - VE7CQK
Message-ID: <199904120201.TAA18533@fraser.sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

        QRP ARCI April 1999 SUMMARY SHEET

    Contest Dates : 11-Apr-99, 12-Apr-99

    Callsign Used : VE7CQK
         Operator : VE7CQK

```
        Category : SOAB

 Default Exchange : 559 BC 9010

            Name : Paul Erickson
         Address : 3371 W.31st Ave.
   City/State/Zip : Vancouver, B.C. V5S 1X6
         Country : Canada


   BAND   Raw QSOs   Valid QSOs   Points   Mults
 ----------------------------------------------

   20CW       62          62        238      32
   15CW       34          34        146      23
   10CW        3           3         12       3
 ----------------------------------------------

 Totals       99          99        396      58


    Final Score = 22968 points.


 Soapbox Comments
 ----------------

 Only had a few hours to play this year, due to work, but had a good time.
At times, qrn was heavy. My apologies to those I could not hear.

Equipment: TS940 and 50ft vertical

 I have observed all competition rules as well as all regulations
established for amateur radio in my country.  My report is correct
and true to the best of my knowledge.  I agree to be bound by the
decisions of the Awards Committee.



 Date ___99/04/11__ Signed __Paul_Erickson______  Call__VE7CQK___




------------------------------
```

Date: Sun, 11 Apr 1999 22:02:22 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [37885] ARCI Results - K0EVZ
Message-ID: <199904112204_MC2-7160-8923@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Gang:

Well the ARCI was a blast this year. Got a total of 224 QSO's, but haven't had time to really go through it. Mostly 20 and 40, with a *few* on 15. Just wanted to say thanks to everyone who stopped by.

QRP DX included HP1AC and LY2RE :-). Also got called by UT3UZ, EG8TF, and NH7Y. Another highlight was WQ5RP at 90 mw.

Setup here was either the OHR400 at 5 watts or Sierra at 1.87 watts.
Antenna was the standard Antennas West TNT/2 Windom at 33 feet, oriented to fire east and west (no choice in this QTH).
Also used a new Shurr Wabbler, so the CW was more erratic than usual.
Keyer was CMOS-II.

So thanks one and all for a good outing. These were 17 fun hours. Believe I will hear CW in my sleep tonight :-).

72,
--Doc Lindsey/K0EVZ
   DSBF
   PO BOX 7187
   Bismarck, ND 58507
   70511.3041@compuserve.com

Date: Sun, 11 Apr 1999 21:09:48 -0500
From: "Bob Gobrick" <rgobrick@worldnet.att.net>
To: "Bob Gobrick" <rgobrick@worldnet.att.net>, "qrp-l" <qrp-l@lehigh.edu>
Cc: "MNQRP-L" <mnqrp-l@qth.net>
Subject: [37886] RE: N0EB Spring Cleanup
Message-ID: <001d01be8489$8ac1df60$2f854b0c@w6f0e4>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

All items HAVE BEEN Sold. Thanks to all that made requests.

Cheers 73/72 Bob N0EB

-----Original Message-----
From: owner-mnqrp-l@qth.net [mailto:owner-mnqrp-l@qth.net] On Behalf Of Bob Gobrick
Sent: Saturday, April 10, 1999 8:17 PM
To: qrp-l
Cc: MNQRP-L
Subject: N0EB Spring Cleanup

QRP-L Gang,

Well things have got out of hand - I need to do some spring cleaning in preparation for my new shack. So here goes - 1. I will respond to all inquiries; 2. please send me your full name and mailing address with your offer and 3. I will make my decision based on a first come email post marked offer. Thanks 73/72 Bob N0EB.

Please reply DIRECT to me at N0EB@att.net - no QRP-L postings if possible - hi.

1. NorCal NC-20 20 Meter CW Transceiver Kit - Brand New, unopened. With 10 turn tuning pot $100.

2. NorCal K8FF Paddle Kit - late close spaced model - Brand New, unopened. $35 (was that the price?)

3. Steve Weber SA/SA MRK II Spectrum Analyzer Kit - Brand New kit, unopened. Classic Unit. $100

4. Emtech ZM-2 Z Match Antenna Unit Kit with Case - Brand New kit, unopened. $45

5. KnightSMiTe 80 meter SMT Transceiver kit - Brand New kit, unopened. $10

6. Columbus (OH) QRP Club CQrp MRX-40 QRP 40 meter receiver - Brand New kit, unopened. $18

7. New Jersey QRP Club Rainbow Tuner 30/40 M with SWR Indicator. Brand New kit, unopened. $25

Cheers 73/72 Bob N0EB Stillwater, MN

Date: Sun, 11 Apr 1999 21:33:44 -0500
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37887] Re: Iambic Type A or B
Message-ID: <199904120233.VAA30341x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Sun, 11 Apr 1999 20:28:36 -0500, "Chuckee" <cdhamel@pdq.net> wrote:

> Question is which setting do I need to work with the SWL 40+??

What is the difference between Mode A and Mode B? All my little keyer does is send dots and dashes at whatever speed you set the dial for.

73 Jeff W4JEF


```
    *--------- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 ----------*
    |jeffj@scott.net  w4jef@amsat.org |     Reserve Patrol Captain     |
    |  Satellite: Mir R0MIR-1, AO-27  | Jefferson County Sheriff's Dept|
    |200LX+BayPac+FT50=Portable Packet|     QTH Birmingham, AL USA     |
    *-----------------------------------------------------------------*
```

Date: Sun, 11 Apr 1999 19:36:18 -0700
From: Jim Lowman <jmlowman@ix.netcom.com>
To: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37888] Re: How could we work this out???
Message-ID: <4.1.19990411193236.00a23160@ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:51 PM 4/11/99 -0400, T.J. \"SKIP\" Arey N2EI wrote:

>
>
>A good idea Jim. That could get the ball rolling and maybe other groups
>will follow suit. If you think about it, if folks know that the
>publishing date is going to show up on the club page they should be more
>patient. You don't even need for it to show on the page with a lot of
>lead time, just lettting folks know things are in the mail should work
>just fine.

Just received a nice e-mail from Jerry, WA6OWR, saying that he puts an
announcement on the Norcal web page whenever Doug says that the
latest issue of QRPp is ready to mail. So, we now have a place to look
and see when the latest issue of QRPp is out, as we apparently always
did have. I must have overlooked it in the past.

Now, let's see if ARCI and the others will follow suit.

72 de Jim - AD6CW

Date: 11 Apr 99 22:38:38 EDT
From: Roy Lincoln <wa4dou@usa.net>
To: qrp-l@lehigh.edu
Subject: [37889] ARCI Spring Contest Score
Message-ID: <19990412023838.6423.qmail@www0j.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Hi Guys,
  Was great fun even though i operated only one(1) band - 15 meters. Was =
using
an MFJ-9015 recently purchased here on the list. My antenna (only antenn=
a up
right now) is an old Cushcraft 3 band(20-15-10) vertical up 18 feet high =
with
4 trapped radials under it. Power output was 2-1/2 watts.
  Especially fun working KU7Y and NQ5RP, both running a fraction of a wat=
t.
  Also worked LY2FE,DL8/DJ5/DL5, HB9,ON4, HP1AC, KP4, C6A,V21. I made 50 =
or 51
QSO's in 26 multipliers.
  I think i'll get it together this year and actually send my log in! :o)=

73 es Thanks to all Roy Lincoln WA4DOU Wilson area,N.C.

Date: Sun, 11 Apr 1999 19:46:30 -0700 (PDT)
From: Ron Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37890] Re: Iambic Type A or B
Message-ID: <Pine.SOL.3.96.990411194523.5420E-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 11 Apr 1999, Jeff Johns wrote:

> What is the difference between Mode A and Mode B? All my little keyer does
> is send dots and dashes at whatever speed you set the dial for.

The person best qualified on this list to reply to this is
our own Chuck, K5FO......

:-)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Sun, 11 Apr 1999 22:48:03 -0400
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: njqrp@njqrp.org, QRP-L <qrp-l@lehigh.edu>
Subject: [37891] ARCI Spring QSO Party, de N4UY
Message-ID: <37115EE3.C02687C@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Didn't get many QSOs in the QSO party this weekend -- not much time left after soccer practice, cutting the grass, moving 5 cubic yards of mulch and the usual family stuff. I tried 10m -- wanted to see if my new NN1G GM-10 worked -- tossed a 10m dipole up in a tree out back -- set it up as a vertical -- didn't work any ARCI members but did get a FISTS member out in Santa Barbara, CA.

Let's see, DC to CA -- guess that's about 3000+ miles. Divide that by 2 watts.....hmmm, over 1000 miles per watt -- guess maybe the weekend wasn't a bust after all (and the new rig works!!!). Now if I can just get one of those fancy K5FO paint jobs I'd really have a hot rig. ;-)

72,

Jake Carter -- N4UY
Vienna, VA (DC suburbs)
WAS/QRPp w/c 17/17 on a 300 mw Pixie,
  MRX-40, & 40m wire dipole

"The harder the conflict, the more glorious the triumph.
What we obtain too cheap, we esteem too lightly."
Thomas Paine -- 12/23/76

Date: Sun, 11 Apr 1999 23:07:26 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: Jim Lowman <jmlowman@ix.netcom.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37892] Re: How could we work this out???
Message-ID: <3711636E.9E3E4DE1@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sounds like a winner to me.

Jim Lowman wrote:

> Just received a nice e-mail from Jerry, WA6OWR, saying that he puts an
> announcement on the Norcal web page whenever Doug says that the
> latest issue of QRPp is ready to mail. So, we now have a place to look
> and see when the latest issue of QRPp is out, as we apparently always
> did have. I must have overlooked it in the past.
>

> Now, let's see if ARCI and the others will follow suit.
>
> 72 de Jim - AD6CW

--
++

  T.J. "SKIP" AREY N2EI   e-mail tjarey@home.com

     Website   http://members.home.net/tjarey

     Snail Mail: PO Box 236, Beverly, NJ 08010

   Specialization is for insects!   LAZARUS LONG

Date: Sun, 11 Apr 1999 22:09:14 -0500 (CDT)
From: PHILLIPS RICHARD <phillips@msoe.edu>
To: Chuckee <cdhamel@pdq.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37893] Re: Iambic Type A or B
Message-ID: <Pine.OSF.3.96.990411220634.30974A-100000@torres.msoe.edu>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 11 Apr 1999, Chuckee wrote:
> yet), The keyer can be set with Type A Iambic Keying or Type B Iambic
> Keying.
>
> Question is which setting do I need to work with the SWL 40+??

Either will work with the SWL 40. I would put in a switch and use the
mode that worked best for me.
>
73,
Richard Phillips
Lab Technician
Milwaukee School of Engineering
414-277-7388, phillips@msoe.edu

Date: Sun, 11 Apr 1999 20:15:44 -0700 (PDT)
From: Ron Stark <ku7y@dri.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [37894] ARCI Contest

Message-ID: <Pine.SOL.3.96.990411200728.5835A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Wow, what a blast!

Condx were not the best here. Stormy wx and lots of noise. But on the other hand it could have been much worse.

And it's always fun to work so many friends. This is one of those contests where it's OK to take the time to say HI!

Here is my first pass over the log. I think I have it all right!

I ran 240 mW which a couple of times had dropped down to a bit under 200 mW but not for long!

Used both the 1000MP and the TS 930AT. Did some 2 radio work. That explains why sometimes it took me a minute to resopnd to a question..... I'd be trying to talk on the wrong radio! :-)

A BIG THANKS to all who managed to dig me out of the noise.

Some very big sig's were heard here.... But nothing from AK or HI. 40m never did get active here. Just a QSO here and there. But I did take the time to have a nice chat with Lee, K7QD there today.

****

BAND	Raw QSOs	Valid QSOs	Points	Mults	Countries
40CW	26	25	89	14	0
20CW	66	66	300	30	1
15CW	65	64	284	28	2
10CW	29	28	119	17	1
Totals	186	183	792	89	4

792 x (89+4) = 73,656

Final Score = 73656 x 15 = 1,104,840 points

****

cul,

(I'll bet I owe Bob, N4BP a pizza!)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Sun, 11 Apr 1999 22:23:21 -0500
From: Jeff Logullo <jeff.logullo@Central.Sun.COM>
To: cdhamel@pdq.net, qrp-l@lehigh.edu
Subject: [37895] Re: Iambic Type A or B
Message-ID: <37116727.D0EB6461@central.sun.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Chuckee wrote:
>
> The keyer can be set with Type A Iambic Keying or Type B Iambic
> Keying.
>
> Question is which setting do I need to work with the SWL 40+??

>From the Curtis 8044 Series Application Note:

"In type 'B' iambic, a squeeze *released during* an element (dot or
dash) will cause another *alternate* element to follow the one being produced.
...
But at high speeds, the necessity to release during the (very short) dit
period may be difficult. The window for action on the 'B' type is
one-half that on the 'A' type."

So the "A vs. B" decision has nothing to do with the ability to key a
particular rig. Rather, it has to do with the behavior of the keyer as

you squeeze the paddles to produce alternate elements. It's a personal
preference thing. Try both and see what you like! Any room for a tiny
DIP switch on the board somewhere?

Date: Sun, 11 Apr 1999 23:31:13 -0400
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrpl_Submit (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [37896] RE: North Georgia QRP Club Meeting on April 3th a Big Success! Pi
     ctures available
Message-ID: <21E06269B00ED111BE9B00805F6D0FA37A3FCB@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

> Thanks to Mike Boatright/KO4WX his digital camera and his personal
> building
> of the gallery photo sections the meeting pictures are being posted on my
> web page. I want to thank Mike for this BIG effort and I hope everyone
> lets
> him know so next meeting at the June Atlanta Hamfest we can get some great
> pictures and story information.
>
> Check out my web page. By the way it's much faster now thanks to the
> expertise of Mike/KO4WX. Of course he is a professional "WEB GUY".
>
> Sam Billingsley   AE4GX   Atlanta (Buckhead), GA North Georgia QRP
> NOGA
>
> http://ae4gx.home.mindspring.com/
>

Date: Sun, 11 Apr 1999 23:31:13 EDT
From: Macstein@aol.com
To: qrp-l@lehigh.edu
Subject: [37897] One of those sappy "This list is great" posts (long)
Message-ID: <fc4b23f5.2442c301@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I've received 12 encouraging/congrats emails today concerning my QRP WAS
accomplishment. Thanks guys and gals. (I'm still waiting on a card from WY.)

I ran upon this list by accident a couple of years ago, as I was

investigating ham radio on a whim. My number is 704. I ran upon the NorCal site while i-net surfing, joined that club and then found the Wilderness site because they were no longer kitting the NC40. I ordered and built a NC40a, which I still use on the Novice band. I bought a used '96 ARRL Handbook and made an attic dipole using my son's plastic blocks as insulators. Two night's ago Brian, KB9BVN was my 1000th QSO on that antenna! During the time in between, with absolutely NO electronics in my background or experience, I've built the NC40a, the .38 Special, the Rainbow Tuner, the ZM-2 tuner, two Pixies, the K1MG Clock/Counter, the NorCal paddles, The Elmer SW40+, the 6 pak experiments, Fireball, 11 to 10 conversion, and I'm on stage 12 of on of the "leftover" NC20s. People from this list made skeds with me to practice, helped me troubleshoot, sent me parts and special deals. But the Elmering is the forte of the list. I even received a used Tek 455 O-scope as a surprize gift! Most of all (Joe), I'm having FUN!

Here is my list of special people to thank:

Alan, KF8PM - my first CW contact (He returned my green stamp to help me upgrade.)
Vidi, ZS6AL and Serje UT5IM - my best distance 2xQRP contacts.
Brian, KB9BVN - my bud (too many things to list).
Alabama Ed - where did you go???
Dean, KH6B for HI 2xQRP.
Dale, KB0VCC- who worked me QRP mobile all over the NE!
Ron, WA0REE - the most patient ears on the air.
Fred, W2XN - for our Fox Hunt Strategy lunch.
Doug, KI6DS and Jim, WA6GER - for being Doug and Jim and doing what they do.
Chuck, K5FO - for the CW code class, NC20 pics and founding the list.
Dave Benson, NN1G - for the SW40+ and elmering me.
Mike, KU4QO and Glen, VE3DNL (and Gary AB7MY) - for Elmer 101, awesome.
Paul, NA5N - for the Data Book and advice
Ed, WE6W, Doc, K0EVZ, and Ade, W0RSP - tied for my most enjoyable rag chews.
Bruce, KL7H/C6A - for travelling all the way from AK just to give me the Bahamas!
 -- but Bob, N4BP, already did that for me.
Nils, WB8IJN - for breaking the monotany... (I tried that med by the way.)
Mary, WN6HYX - foxii extrodinaire and having the best QSL card (grin).
Marshall, N1FN - for letting me catch him each time as a fox.
George, N2APB and the NJ Club - for interesting kits, the C10 and the ARCI journal.
Tom, N1TP, who seems to be able to work ANYBODY he wants... amazing.
and Ron KU7Y - my vote for outstanding long distance elmer and outstanding op and a darned nice guy.

I've left about a hundred of you out, but don't miss my point: Thank you.
Ok, I'm gonna go turn on the radio.

-MAC-

KF4KSM
Odessa, FL

Date: Sun, 11 Apr 1999 22:39:09 -0500
From: Jeff Logullo <jeff.logullo@Central.Sun.COM>
To: n6kr@elecraft.com, qrp-l@lehigh.edu
Subject: [37898] Re: Assembly Notes for Kits--NO WATER SOLUBLE SOLDER, PLEASE!
Message-ID: <37116ADA.777EABA8@central.sun.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Wayne Burdick wrote:
> For kit assembly, we recommend ONLY the following product (in GIANT
> LETTERS, LIKE THESE, ON A SEPARATE PIECE OF PAPER YOU SEE WHEN YOU OPEN THE
> KIT):
>
>   Kester 245 Electronic Silver Solder ("no clean"),
>   .031" diameter,
>   Mouser #533-24-7150-0027 (and other suppliers)

(Deep breath, all... I'm not trying to start another round of
"remove/don't remove flux" posts!)

This is relevant to me; after the NorCal 20 (and a slew of other
half-finished projects finally complete), I've finally finished up the
last of my two spools of solder! One from RadShack from grade school,
and a spool of Chemoloy from college. (Anybody stack their spools as a
totem of accomplishment?)

So I'm in the market for solder. Wassco's catalog has Kester 245... with
1.1%, 2.2%, and 3.3% flux by volume (50, 58, and 66 core size,
respectively). Recommendations on percentage of flux?

They also have smaller diameters (.025, .020, and .015). Comments on how
small is too small? I have only had to work with one surface-mount chip
so far, but I bet there will be more as time goes on. Is .031 small enough?

Call me anal retentive, but a pound of solder will last me a *long* time.

Oh--I guess I should also add that I'm pondering a K2 (!). Guessing that
other diameters wouldn't void the warranty, but hey! I've been wrong
before! :-)

Date: Mon, 12 Apr 1999 06:02:38 -0600
From: Alan Dawkins <alk0frp@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [37899] ARCI Spring Party
Message-ID: <3711E0DE.AF082FAE@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well gang another contest and did not set any records.
Short from 97 and 98. Condx were not the best many very weak sigs.
10m was open Sunday I called CQ on a dead band and woke up 20-30
contesters.
Need to check 10 frequently. 20m was crowded Sunday.
15m yielded LY2, G0, DL, HP1 (Cam), and JA

80	5	1
40	226	24
20	558	38
15	314	32
10	102	9

1205 qso points 104 spc's 877240 points , not up to par.

CONTEST
Slept 6 hours
Carpet cleaned   5 rooms
Went to my daughters soccer game
Bought and installed a new VCR
Did expense report and dilivered to my office
Up at 5am tomorrow to make a 8am flight to LA AGAIN. Yuk
Weekends are TOO SHORT or weeks in LA are too long ????

Al K0FRP

Date: Sun, 11 Apr 1999 23:16:50 -0700
From: Mighty Mik <mitymik@hooked.net>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [37900] oops...need part...
Message-ID: <37118FF0.F6F4AD5E@hooked.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-

creator="4D4F5353"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I accidentially let the smoke out of the final in my SW40+ : ((I need a
new 2SC2078...anyone have a spare?
These go for as low as $1.58 ea...and the NTE235 is a substitute.

I was trying to get more VFO coverage for the upcomming QRPTTF...i want
some novice band points too.

Date: Mon, 12 Apr 1999 03:20:15 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [37901] QRP ARCI Party N4BP
Message-ID: <Pine.3.89.9904120306.A19443-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII
Content-Transfer-Encoding: QUOTED-PRINTABLE
Content-Transfer-Encoding: QUOTED-PRINTABLE

QRP ARCI CONTEST
=20
Call used: N4BP Location: FL
Category: Single Op All Band Mode: CW Power: 1W
Callsign of Operator: N4BP =20

=20
Exchanged Information: N4BP RST FL 3412
=20
Hours of Operation: 23:29
=20
band QSOs points mults
=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=
=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4
160 0 0 0
80 1 20 1
40 26 1060 20
20 188 7540 51
15 163 6400 43
10 24 900 13
=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=
=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4 =20
TOTAL 402 15920 128 SCORE: 2,037,760
=20

```
     Club or Team Name: Team ET/BP (N8ET and N4BP)                          =
 =20
=20
     Comments: FT-1000MP, TH7-DXX @ 65 ft, 40M dipole @ 35 ft, NA v10.36

     Highlights:

     HP1AC on four bands
     KU7Y on three bands
     JA on 20M with one watt
     Italian mult near end of op time to put me over 2M points
     Successfully copying through S9 power line noise both days
     MANY familiar calls from QRP-L
     QSO #402 with good friend W3RDF/5 in NM after deciding to quit at #400

=09   73,
=09=09=09=09   ,'' '',
     Bob Patten, N4BP              ( 0 0 )               Plantation, FL=20
_____________________________oOOo-(_)-oOO_____________________________=
____

                         E-Mail: n4bp@bc.seflin.org
               Web Page: http://wg104a.wh.uni-stuttgart.de/~n4bp
                      Brass Pounder BBS: (954) 472-7715      =20


------------------------------

Date: Fri, 12 Mar 1999 00:26:47 -0800
From: David Fifield <fifield@pacbell.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, GQRP Reflector
<GQRP@onelist.com>
Subject: [37902] NorCal 20 AGC Mod - Update
Message-ID: <36E8CFC7.8958DFD7@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

I have added the following text to the NC20 AGC mod on the
http://www.redhotradio.com website:

Not so fast! This mod messes up the method for setting the
transmit offset as set out in the manual. In order to get the
TX offset method to work you will have to lift one end of
the new 2.2K resistor that you added to the underside of
the PCB in stage 5 above. This will stop U4 from being
totally turned off by the AGC mute during TX feature and
```

allow you to hear your own transmit signal to set the TX offset properly. Don't forget to solder the 2.2K resistor back in place after you have set up the TX offset.

As someone else noted (not sure who now, was it Gary?), the mod also stops you from being able to use the "real" sidetone as U4 gets shut down completely during TX. The way around this is to duplicate the circuitry around Q13 to feed U4 from its own AGC output transistor that doesn't have a MUTE clamp diode on its base. I haven't worked out the exact circuit needed yet, but I'm sure it's simple and do-able. Maybe someone else (who has more time than I) will take this one on?

Another mod that extends the TX MUTE time to allow everything to settle prior to going back to RX (may help with clicks in some radios) is as follows:

1. Change R98 to 2.2K (was 10K)
2. Add new 100uF 16V capacitor from the junction of R98 and D26 (+ end of the cap) to GND (- end of the cap). This cap can easily be added to the underside of the PCB.

If you have any other mods that you'd like to run by me (e.g. you'd like some confirmation that they are good prior to publishing) please let me know.

Thanks,
Dave Fifield, AD6A

Date: Mon, 12 Apr 1999 04:51:58 -0400 (EDT)
From: "John L. Sielke" <n4js@pobox.com>
To: Dave Redfearn <n4elm@texoma.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37903] RE: Speaker Buzz in K2?
Message-ID: <XFMail.990412045158.n4js@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

This came up before, and the fix was thin washers between speaker and top. It was, I believe, Builder's Alert #13, on the Field Test page.

On 12-Apr-99 Dave Redfearn wrote:

>
> Since this was a casual operation, I was not using headphones.
> I noticed a pretty strong buzz in the internal speaker at 600-700 Hz.
> I tried the phones and an external speaker and no buzz, so I think
> the problem may be the speaker or the cabinet/speaker combination
> may be resonant around 600-700 Hz.
>
 Has anyone else seen this?

  _   _   _   _
 / \ / \ / \ / \   John L. Sielke n4js@pobox.com n4js@qsl.net
(N)(4)(J)(S) NJ Grid:FM29LN http://www.qsl.net/n4js
 _/ _/ _/ _/   NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
  G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

Date: Mon, 12 Apr 1999 06:35:47 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: James R Giammanco <n5ib@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37904] Re: "pruning" temporary antennae
Message-ID: <Pine.GSO.4.10.9904120630440.27531-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Jim,

The ends are acting like no more than plain wire at the far end of the antenna (dipoles, Vees)--at most like a slightly fatter wire. The required inductive reactance at the end of a 1/2 wl wire to change its length like a load is so high that no amount of twisting will make a significant change in the electrical length. (For the same reason, if you take a center loading coil, break it in half and begin to move it out along the wire as mid-element loading coils, the required inductance and inductive reactance for resonance get steadily larger the farther out you go.) Even considering the length of wire folded back, the loading effect is still negligible. So taking the extra wire and folding/twisting back is perfectly satisfactory electrically--assuming that all mechanical requirements for the wire support have been met.

I have done some extensive modeling of this situation, and those numbers coincide with practical experience.

-73-

LB, W4RNL

Date: Mon, 12 Apr 1999 08:14:33 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: cw@qth.net
Cc: qrp-l@lehigh.edu
Subject: [37905] Hi-Mound MK708 straight key for sale
Message-ID: <3.0.5.32.19990412081433.007cf3c0@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, got my J38 mounted on marble and I like it so much, I've decided to
sell my Hi-Mound hand key. $45 shipped to your door. The key is in ment
condition.
I would rather sell it,but of course me being me, I'll consider trades for
other cw related items.
So, if intrested, please contact me at whowell@mail.hq.nasa.gov.

tnx es 73 de Scott/n3byy
Laurel MD

Date: Mon, 12 Apr 1999 07:26:02 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Darrell L Thomas <n7kor@mcn.net>
Cc: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>,
Jerry Webster <jerryweb@linctel.net>
Subject: [37906] Re: Glacier hamfest (fwd)
Message-ID: <Pine.LNX.3.95.990412072150.1020B-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Darrell!....really nice to hear from you and I hope all is well...so
far I have collected the names, calls of 7 or 8 people who are planning on
attending Glacier and would like to get together for a QRP Eyeball....of
course if a presentation is being worked up, so much the
better....whatever...so read below everyone as it looks like Bill, KA7YAO,
from Helena might be getting something ready for QRP at the
hamfest...SUPER!

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
           A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan. Canada

On Sun, 11 Apr 1999, Darrell L Thomas wrote:

> Hello Bruce,
>
> I apologize for not answering you direct. I did receive your message and had
> forwarded it to Jerry Webster who is setting up the seminars. I thought
> perhaps he had answered you. I think that Bill KA7YAO from Helena who is an
> avid QRP fan may be working something up for hamfest. Looking forward to
> seeing you in July.
>
> 73's Darrell N7KOR

Date: Mon, 12 Apr 1999 08:54:00 -0500
From: "Robert Radtke" <rradtke@hutman.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37907] Re: Iambic Type A or B
Message-ID: <004f01be84eb$eb6e7be0$501a09ce@hutman.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

HiHo QRPers,

For those of us who don't have much experience with keyers. What exactly is the difference between Iambic Mode A and B. I recently built a keyer using a PIC 16f84 chip, but I just had to guess as to what the proper behavior should be. Basically what I ended up doing was tweaking the code and then trying to send with it until I came up with a combination where I made the fewest mistakes (Maybe I've invented Mode C ;-)
I wasn't able to find much info on the net as to what the exact behavior should be.

Any info would be great.

Thanks,

Robert Radtke - KC0EJW

Date: Mon, 12 Apr 1999 08:14:50 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-l'" <qrp-l@lehigh.edu>
Subject: [37908] Auction
Message-ID: <01BE84BC.8B124120.bmug@gwl.com>

I made it to the auction over the weekend - I did purchase ($7) a Ballantine 5725C frequency counter with power supply. Got it home and totally dead - BUT I've learned from this group TOTALLY DEAD is usually not a bad thing. I checked the power supply and it seems to be dead.

Does anyone out there have any of the following (or anything else I could use)

1 - Ballantine's web address?
2 - A manual for this unit?
3 - A power supply or know what the 5 pins are to be fed?
4 - If I get it running what kinds of probes do I use?
5 - How do I use this puppy when I get it going?

Thanks, it looks real nice sitting on the desk top.

de KI0OT, Brad

BTW, the 3 O'scopes went for $50 each (more than I wanted to spend on something I don't know how to use or even know if it is working). There were also about 6 Wavetech RF generators that I started to bid on of but the bidding went nuts and some guy purchased them all for $165 EACH. I guess those must be worth quite a bit.

Date: Mon, 12 Apr 1999 07:32:24 -0700
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: <rradtke@hutman.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37909] RE: Iambic Type A or B
Message-ID: <000201be84f1$48293f00$0100000a@accurate-main>
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Robert,

Mode B is true Iambic or "Squeeze" keying i.e.., An element can be inserted without releasing the opposite element. Or in other words, to form the letter "F", you hold down the "dit" key for two elements, then press and

release the "dah" all the while continuing to hold down the dit key, then release the dit paddle immediately after the dah has begun to form. The Dah will be inserted after the second dit and the final dit will automatically be sent after the dah. You can see that to form these 4 elements required only 4 actual movements i.e.., 1)press the dit key 2)press the dah key 3)release the dah key 4) release the dit key. The explanation is far more difficult than the action.

In comparison, Mode "A" would require you to release the dit key before tapping the dah key and then tapping the dit key to finish. This requires 6 actual movements for the letter "f" i.e.., 1) press the dit key (count 2 dits), 2) release the dit key 3) press the dah key 4) release the dah key 5) press the dit key and 6) release the dit key.

Mode B is called squeeze keying because when used properly, your wrist need never move. Instead, you only need to squeeze your thumb and forefinger together to form the elements. Mode A is more akin to using a bug, as the wrist is swung back and forth (slightly) to form the elements. In fact, if you are making the transition from a bug to a keyer, Mode A is sometimes easier to master. However, high speed folk normally will use mode B as there are less physical movement involved.

Roger KD6CC

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of Robert Radtke
Sent: Monday, April 12, 1999 6:54 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Iambic Type A or B

HiHo QRPers,

For those of us who don't have much experience with keyers. What exactly is the difference between Iambic Mode A and B. I recently built a keyer using a PIC 16f84 chip, but I just had to guess as to what the proper behavior should be. Basically what I ended up doing was tweaking the code and then trying to send with it until I came up with a combination where I made the fewest mistakes (Maybe I've invented Mode C ;-)
I wasn't able to find much info on the net as to what the exact behavior should be.

Any info would be great.

Thanks,

Robert Radtke - KC0EJW

Date: Mon, 12 Apr 1999 08:38:15 -0600
From: Larry East <w1hue@amsat.org>
To: qrp-l@lehigh.edu
Subject: [37910] 10T Dials for NC20, etc.
Message-ID: <3.0.3.32.19990412083815.00935100@axp1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Here's a deal you folks having NC20's with 10-T tuning pots can't afford to pass up!!

I was browsing through the local Army/Navy Surplus store and ran across some Bourns 1-in. diameter counting dials for about $1 each! These are model H-491-3 non-locking dials with mounting hardware and in their original boxes (dated 2/83). They fit 1/4-in. shafts and will count up to 30 turns (they'll therefore work with 10T, 15T ... etc. up to 30T pots or other devices). They appear to be similar to Bourns H-493-3 dials (probably a newer version) listed in the Newark catalog for $32.65 (!) each.

I also found some larger (1.8-in. diameter) 15T locking-type dials for slightly over $1. These are marked "SPE Italy - Multidial Model 21" and appear to be identical to Spectrol Type 21-1-1 dials listed in the Newark catalog for $22.03 each. They appear new but are not individually boxed. A 1/8-in. "pilot" hole about 1/2-in. from the control shaft is required in the panel for mounting

The guy has over 100 of the 1-in. Bourns dials but I only found two of the 1.8-in. dials; he said he might have more of the larger dials in the "back room" but didn't have time to look. The 1.8-in. dials have nice large markings and would, in my opinion, look better on the NC-20. However, the 1-in. dials will work just fine and would be easier to mount (no extra hole required).

Anyone interested in a "group buy"? The easiest way for me to ship them would be via Priority Mail since I can get boxes from the Post Office. Total cost including shipping would be about $4.50 for one dial, $5.50 for two, etc. (I can probably ship ten or so at the $3.20 Priority Mail flat rate). The shipping cost will be somewhat higher to Canada and overseas.

If you are interested, please email the following info to me, Larry East, w1hue@amsat.org - please put "dials" in the subject line. Once I get an idea of how many dials are needed, I'll pick them up and let each interested party know the final price and where to send the check.

NOTE: If you want more than five dials, I'll put you at the bottom of the
list to make sure people wanting just few get theirs first.

  -

Number of 1-in dials desired:

Number of 1.8-in dials desired:
(Assuming more can be found.)

If the 1.8-in. dials are not available, do you want 1-in. dial(s) instead?

Name:
Email address:

Date: 12 Apr 99 07:45:00 PDT
From: Michael Fletcher <kl7ixi@usa.net>
To: qrp-l@Lehigh.EDU
Subject: [37911] Half computer, half world radio feature
Message-ID: <19990412144501.23511.qmail@www0q.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

FYI: The MSNBC website has an article about the Ten-Tec RX-320 receiver i=
n the
technology section, titled "Half computer, half world radio." Also mentio=
ned
is the April 16 launch of the Swatch "Project Beatnik" satellite which wi=
ll
broadcast advertising on the 2 meter band.
See http://www.msnbc.com/news/default.asp and go to the Technology sectio=
n.

72,
Mike KL7IXI/4
Norcross, GA

Date: Mon, 12 Apr 1999 07:44:02 -0700
From: "Steve Miller" <kg7pv@hevanet.com>
To: "QRP-L : to send msg to list" <qrp-l@lehigh.edu>
Subject: [37912] K2 Solder Confusion
Message-ID: <007b01be84f3$05eba040$403ca3ce@kg7pv>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

An earlier post said the solder to use on the K2 was "Kester 245 No-Clean Silver .031 Solder" and gave Mouser Part # 533-24-7150-0027. That part # is for Kester 44 .031 Silver solder. The correct part # for the Kester 245 No Clean .031 Silver Solder is # 533-24-7150-8800. My question now is which one to use or does it matter?

Steve Miller kg7pv@hevanet.com
Portland,OR

Norcal #308, ARCI #9230, QRP-L # 109

Date: Mon, 12 Apr 1999 08:00:36 -0700
From: Vic Rosenthal <rakefet@rakefet.com>
To: zeekzilch@chisp.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37913] Re: 10.106 Jammer
Message-ID: <37120A94.875763A@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Zeek ZIlch wrote:
>
> Maybe we could pinpoint his location with a few continent-wide
> signal reports and beam headings??

Although given the content of his transmissions, his antenna will probably be a lightning magnet!

Seriously, inform the FCC. They are finally becoming active in the enforcement area, and do have the ability to DF.

73,
Vic, K2VCO
Fresno CA

Date: Mon, 12 Apr 1999 08:19:08 -0700
From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37914] Re: Iambic Type A or B
Message-ID: <37120EEC.362A5495@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jeff Logullo wrote:
>
> So the "A vs. B" decision has nothing to do with the ability to key a
> particular rig. Rather, it has to do with the behavior of the keyer as
> you squeeze the paddles to produce alternate elements. It's a personal
> preference thing. Try both and see what you like! Any room for a tiny
> DIP switch on the board somewhere?

For a person who is just learning to use an iambic paddle, I strongly recommend mode B. It will ultimately allow you to send with less effort than mode A. Might as well learn it now rather than having to switch later.

By the way, I recently made the transition from a single-lever "bug-like" sending to true iambic sending. Whew. It took a LONG time, during which period I sounded rotten! I went from a bug, to a single lever paddle, to mode A iambic and finally to mode B. Should have started off with a good double-lever paddle and mode B.   It is not as easy as it looks, so don't give up.

73,
Vic, K2VCO
Fresno CA

Date: Mon, 12 Apr 1999 11:23:59 -0400
From: Bruce T Hopkins <KL7H_C6A@compuserve.com>
To: QRP-l <qrp-l@lehigh.edu>
Subject: [37915] ARCI Contest from C6A...
Message-ID: <199904121124_MC2-716F-F06E@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable

Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline
Content-Transfer-Encoding: quoted-printable

Hi Gang...

     I'd like to thank the ARCI gang for putting on another fun event... =

Also like to thank all the folks that participated in the Contest and mad=
e
it a fun event...

     I started out each day checking 10 meters for activity but never did=

hear much from this part of the world... 15 was good both days and that =
is
where 99% of my operating took place... I did make a few contacts on 40
meters Saturday night but conditions were tough down here... Sunday was
another good day on 15 meters with no activity to speak of again on 10...=
 =

I did manage to work my XYL Tosh - KL7WW so got the QRP haul to Alaska th=
at
I was looking for... With two hours left and the band still good, I had =
to
depart for a dinner engagement... The Dolphin I caught in the morning wa=
s
superb on the grill but I would have preferred to stay on the radio for t=
he
rest of the test...

     My 20 meter vertical is still on the ground and since I leave for th=
e
North country this Friday, it will have to wait for my next trip down to
get it installed... The 40 meter inverted vee has served me well on
40/15/10 but the tuner just will not handle it on 20M... Having the salt=

water groundplane 60 feet from your antenna doesn't hurt... I can't wait=

to see how a good beam is going to work form here... Next trip, maybe...=
 =

The rest of the station consisted of a Kenwood TS-450-SAT @ 5 Watts, =

Bencher paddles, and a K1EL K8 keyer... My biggest challange was having
only the stock filters in the 450 down here... Next time I will remember=

to bring down a couple of CW filters to install... It was kinda like

listening on my Hallicrafters S-38-C... 8^)

     125+ contacts before running the Dupe program... It was a lot of fun... Sorry to all that I missed and thanks to all that were there... = If
you need C6A confirmation, please QSL to my callbook (Fairbanks, AK) address... Seeya all live and in living color when I reach back this Sunday...

72 - Mon...

        Bruce - KL7H / C6A...

http://www.qsl.net/kl7h

Date: Mon, 12 Apr 1999 09:32:10 -0500
From: Tim Pettibone <tpettibo@NMSU.Edu>
To: qrp-l@lehigh.edu
Subject: [37916] Contest
Message-ID: <3.0.2.32.19990412093210.00695d74@cnmailsvr.nmsu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

It was a busy, busy weekend. Only time I had to do the 'test' was mobiling around town. Probably worked 8-10 stations total, all on 20m. Didn't log so no entry this time. So much to do, so little time!

Tim K5OI
Las Cruces, NM

p.s. Our legislature passed (and the Governor didn't veto) two important bills: (1) official state slogan - New Mexico - the land of enchantment; and (2) official state question - Red or green?

Date: Mon, 12 Apr 1999 10:33:28 -0500
From: "Brockwell, Stephen E." <brockwse@fssec.army.mil>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [37917] 50K ohm mike on rig needing 500 ohm
Message-ID: <BB6584384834D211AFC00000F8BDCA842B2EFC@alrsrv02>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"

I need to devise a way to hook a 50k ohm microphone (from a Kenwood TS-520S)

to a radio that normally uses a 500-600 ohm mike (HTX-100). Got all the pinouts guessed/traced, plugs and receptacles for making a small interface box so that I can plug this adapter onto a rig and plug the other mike into it. I hooked it up wire to wire and it sounds real mushy on a receiver. I am guessing that the impedance of the mike may be causing this.

The Kenwood mike will only be temporary. I will get another mike for the HTX but the attempt to match them up kinda got to be a quest and now I've gotta finish this experiment.

Direct email is ok..... on the reflector is ok..... I get the digest so no hurry....

TIA Steve KC5TTY

Date: Mon, 12 Apr 1999 08:39:00 -0700 (PDT)
From: Ron Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37918] Re: Iambic Type A or B
Message-ID: <Pine.SOL.3.96.990412082939.10613E-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 12 Apr 1999, Vic Rosenthal wrote:

> Should have started off with a good double-lever paddle
> and mode B.

Hi All,

I TOTALLY agree with what Vic said. Don't waste the time learning all the other methods....just cut to the one that will allow you the most freedom to send good code with less work.

This is about the same thing as learning the code as dots and dashes and then trying to build up your speed!

(I think people should leard the code at 20 wpm and forget all about going slow.....going too slow just forces you to develop bad habits but that's another story!) :-)

One thing I'd like to point out.... you can use dual lever paddles and mode B and still not do the iambic thing. But at least it's there when you do want it!

(You can also use a single lever paddle with a mode B keyer)

cul,

73, Ron,   SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 12 Apr 1999 11:47:14 -0400
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: rakefet@rakefet.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37919] Re: Iambic Type A or B
Message-ID: <37121582.E19D3DBB@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I second this. I have just finished my first week using a keyer. At
first it was just a lot of confusion. But now I am sold on
keyers/paddles/type B. The kicker was when I worked a little ARCI
contest on Saturday. *QSL* gets real easy to send by squeezing them
fingers together. I am sorry I could not play in the contest more than
I did. About one hour. Weather was too nice on Saturday day and had a
wedding anniversary party Saturday night. On Sunday, I had to do race
registration for a 5 mile run in Manchester, MI. and got home after the
contest was over. Next time.

Ed AB8DF

Vic Rosenthal wrote:
>
> Jeff Logullo wrote:
> >
> > So the "A vs. B" decision has nothing to do with the ability to key a
> > particular rig. Rather, it has to do with the behavior of the keyer as
> > you squeeze the paddles to produce alternate elements. It's a personal
> > preference thing. Try both and see what you like! Any room for a tiny
> > DIP switch on the board somewhere?
>
> For a person who is just learning to use an iambic paddle, I strongly recommend
> mode B. It will ultimately allow you to send with less effort than mode A.
> Might as well learn it now rather than having to switch later.

>
> By the way, I recently made the transition from a single-lever "bug-like"
> sending to true iambic sending. Whew. It took a LONG time, during which period
> I sounded rotten! I went from a bug, to a single lever paddle, to mode A iambic
> and finally to mode B. Should have started off with a good double-lever paddle
> and mode B.   It is not as easy as it looks, so don't give up.
>
> 73,
> Vic, K2VCO
> Fresno CA

Date: Mon, 12 Apr 1999 09:49:16 -0600
From: bcutter@teal.csn.net (Bob Cutter)
To: qrp-l@LEHIGH.EDU
Subject: [37920] 11-2-10 kit f/s
Message-ID: <199904121549.JAA28707@mailrelay3.sni.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have an extra kit from our club project. $26.00 PP.

WalMart still has the Maxon CB's, they are just in a new and different box.

72, Bob KI0G

Date: Mon, 12 Apr 1999 17:56:23 +0200
From: "Ronald H. Evans" <rhevan1@ibm.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37921] RE: Items For Sale in Hamburg, Germany
Message-ID: <000201be84fd$03da8f00$e90c5c8b@deinet.rhevan1>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gentlemen:
All items have been sold. Thanks to all who responded. 73, Ron, K4KTB

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
Ronald H. Evans
Sent: Sunday, April 11, 1999 2:59 PM

To: Low Power Amateur Radio Discussion
Subject: Items For Sale in Hamburg, Germany

Gentlemen:
I have the following items for sale before I return to the states. If they are not sold within the next three weeks they will go back with me. Kits are not constructed and have no missing parts. All other items are in excellent condition. Dollars or Deutsche Marks accepted. Priced in Dollars.

TS-570D Kenwood Transceiver	$1000.00
PS-40 Kenwood Power Supply for above	$180.00
Autek Research RF-1 Antenna Analyst	$125.00
NorCal Paddle Kit	$35.00
SW-40 by Dave Benson in factory Enclosure (assembled)	$50.00
Murch UT-2000 Ultimate KW Transmatch. Good Condition	$100.00
MFJ-259B HF/VHF Antenna Analyzer (Latest Model)	$220.00
MFJ-264 1.5 KW Dry Dummy Load	$55.00
KPC-3 Plus 128K Version 8.2 Kantronics TNC	$120.00
NP7-12FR, 12V, 7AH Gel Cell	$10.00

I have been a bit out of touch with the amateur radio scene especially here in Germany. If any prices are completely out of touch for here please let me know. 73, Ron, K4KTB, Hamburg, Germany.

Date: Mon, 12 Apr 1999 11:51:04 -0400
From: "Stephen Gibson" <SWGibson@worldnet.att.net>
To: <qrp-l@Lehigh.EDU>
Subject: [37922] Another spring sale
Message-ID: <000401be84fc$705e3600$b0784e0c@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Spring cleaning comes to this shack too, so the following items are up for sale:

1. OHR100A-40M $75

2. OHR Digital Dial DD-1 $50

3. MFJ Portable Tuner MFJ971 $50

4. Alinco 2M DJ-S11T $50

5. Heathkit Tuner HFT-9 $25

All items are in excellent condition and the price includes shipping via USPS.

Steve, WB4NBI

Date: Mon, 12 Apr 99 11:06:31 -0500
From: Chuck Adams <adams@ticnet.com>
To: "Roger A. McCarty" <rmccarty@earthlink.net>
Cc: qrp <qrp-l@lehigh.edu>
Subject: [37923] RE: Iambic Type A or B
Message-ID: <E10WiQw-0008P7-00@smtp.ticnet.com>

-- [From: Chuck Adams * EMC.Ver #2.5.02] --

> Monday, 12-Apr-99 07:32 AM

>From: Roger A. McCarty   \ Internet: (rmccarty@earthlink.net)

>However, high speed folk normally will use mode B as there are less
>physical movement involved.

>Roger KD6CC

Roger is correct except for one minor point on the line quoted above. Both Modes take the same number of movements of the finger and thumb. It is the minor point of just how long the finger or thumb must remain depressed on the paddle to get the elements completed. The timing is what I call more critical in

Mode A in that you have to leave whichever paddle depressed slightly longer to complete the character.

The easiest way to see this is to get a keyer that is capable of both modes and an Iambic Paddle. Set the speed to 5wpm and try sending the letters G, C, K, and V. Carefully play with when you release both paddles on the last and the next to the last elements of the character.

The smiley that you saw Ron, KU7Y, do when he brought up my name in the thread was the embarrassment and humiliation that I suffered at Pacificon several years ago when he and I gave a demo of SS exchanges at high speed. (Well, Ron thought it was high speed. :-)) I had difficulty in sending a simple CQ because being a Mode B person I release the dit paddle before the last dah is completed. In Mode A you must continually hold down the dit until it starts, then release the paddle.

This is something difficult to explain over the Internet. The best that I have been able to do in any explaination is on my web page showing how to send with an Iambic Paddle.

Note that Mode A and B are the same with a single lever paddle as there is no way in the world to have both contacts closed simultaneously, so this discussion is depend upon your having an Iambic Paddle.

Roger's most important point IMHO is that the wrist and the forearm do not move. People just coming over from using a bug will tend to "force" the paddles thinking that force is needed to get the dits to going like in a bug and thus have problems in sending at the faster speeds. Just a touch is all it takes to do this right.

My $0.02 worth.....

Thanks Roger for the posting.

dit dit

P.S. the only timing diagram that I could come up with would destroy the separation of sight and sound and I think that any such "state" diagram would be better left buried.... Remember boys and girls that Morse is a language of sound. All the visual charts in the world should be hidden away forever.

--
Chuck Adams K5FO adams@ticnet.com   CP-60
http://www.ticnet.com/k5fo

Date: Mon, 12 Apr 1999 09:01:03 -0700
From: "Eric Swartz - Elecraft, WA6HHQ" <erics@elecraft.com>
To: n4elm@texoma.net
Cc: QRP-L <qrp-l@lehigh.edu>
Subject: [37924] Re: Speaker Buzz in K2?
Message-ID: <371218BF.FC898AD5@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Dave,

The first field Test K2's were missing four washers to spcce the speaker
back from the top panel. If they are left out there is a chance the
speaker can buzz or produce distorted audio.

The only other time I've seen speaker resonances in the K2 were when I had
not tightned all the cover screws and the case parts were vibrating
against each other. Especially check the two top middle side screws.

73, Eric WA6HHQ
http://www.elecraft.com

==========
You Wrote:

I had a little spare time this weekend and actually
made a few contacts on 20 and 15 Meters in the QRP contest
with the K2.

Since this was a casual operation, I was not using headphones.
I noticed a pretty strong buzz in the internal speaker at 600-700 Hz.
I tried the phones and an external speaker and no buzz, so I think
the problem may be the speaker or the cabinet/speaker combination
may be resonant around 600-700 Hz.

Has anyone else seen this?

73 - Dave

Date: 12 Apr 1999 12:02:43 -0400
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
To: qrp-l:;
Subject: [37925] Measuring RF Voltage, RF Current (errors fixed)
Message-ID: <1999Apr12.120243-0400@[130.113.234.7]>

With mouse-tail between my legs....
     Sorry gang, made TWO errors late Friday evening
when setting up the newer web material on rf voltage and
rf current measurements:
The *proper* URL is:
http://engphys.mcmaster.ca/~elmer101
and the links are fixed now too.

'Tis work in progress. Am collecting stuff on rf power
measurements and SWR too (not entirely up yet).
Being bushy-tailed now on Monday may mean fewer errors ;-)
-Glen VE3DNL

Date: Mon, 12 Apr 1999 11:22:30 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [37926] K9LU Micro-Paddle
Message-ID: <199904121607.MAA21063@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

I had to try and make one of these, it looked so cute! I went out and
bought some 3/4" "Binder clips" and duplicated the paddle the best I
could using the pictures in Nuts and Volts for a guide.

Amazingly enough, it works! You' d have to be really good to send
above 20-25 wpm with the binder clip, at least with the one I made. I
just couldn't belive you could make a paddle out of common office
supply parts!

It works well enough that I think I'll send the 10 bucks to Louis for
his offical kit and save the efffort to make make my crude copy look
decent.

Check it out at http://www.qth.com/k9lu/

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Mon, 12 Apr 1999 09:19:52 -0700
From: Jerry Parker <jparker@fix.net>
To: qrp-l@LeHigh.edu
Subject: [37927] FS: Small Wonder Labs 80-40
Message-ID: <3.0.6.32.19990412091952.00a88af0@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have a Small Wonder Labs 80-40 kit never
touched. $55.00 shipped

72,,,Jerry...WA6OWR...K

Date: Mon, 12 Apr 1999 11:16:06 -0500
From: Mike Manship <mjmanship@iquest.net>
To: qrp-l@Lehigh.EDU
Subject: [37928] Re: Iambic Type A or B
Message-ID: <3.0.2.32.19990412111606.006b21e8@pop.iquest.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>I TOTALLY agree with what Vic said. Don't waste the time
>learning all the other methods....just cut to the one that
>will allow you the most freedom to send good code with less
>work.
>

For most of us that would probably mean a keyboard !

73 de Mike W9OJ

Date: Mon, 12 Apr 1999 09:19:08 -0700
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: "Chuck Adams" <adams@ticnet.com>
Cc: "qrp" <qrp-l@lehigh.edu>
Subject: [37929] RE: Iambic Type A or B; corrected by the best:-)
Message-ID: <000101be8500$3111d8e0$0100000a@accurate-main>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Yep, I stand corrected. I had to put my keyer in mode A to check myself. Element insertion is possible in mode A. Therefore as Chuck and Arjen have pointed out, the only difference basically is in the last element memory. In Mode "A", you must wait for the last element to begin, before releasing the paddle.

On a philosophical note, writing on how to use mode A vs. Mode B is similar to teaching someone in print, how to tie your shoes.

Roger KD6CC

-----Original Message-----
From: Chuck Adams [mailto:adams@ticnet.com]
Sent: Monday, April 12, 1999 9:07 AM
To: Roger A. McCarty
Cc: qrp
Subject: RE: Iambic Type A or B

-- [From: Chuck Adams * EMC.Ver #2.5.02] --

> Monday, 12-Apr-99 07:32 AM

>From: Roger A. McCarty   \ Internet: (rmccarty@earthlink.net)

>However, high speed folk normally will use mode B as there are less
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>Roger KD6CC

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My $0.02 worth.....

Thanks Roger for the posting.

dit dit

P.S. the only timing diagram that I could come up with would destroy the separation of sight and sound and I think that any such "state" diagram would be better left buried.... Remember boys and girls that Morse is a language of sound. All the visual charts in the world should be hidden away forever.

--
Chuck Adams K5FO adams@ticnet.com   CP-60
http://www.ticnet.com/k5fo

Date: Mon, 12 Apr 1999 11:25:15 -0500
From: "Charles R. Ott" <k5hj@fastlane.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37930] Re: Iambic Type A or B
Message-ID: <004901be8501$0cf1fe80$0100a8c0@isc>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I do disagree on part of Roger's comments. Both Mode "A" and Mode "B" are true iambic or "Squeeze" keying.

I have been using Mode "A" for many years and I have a lot of trouble using a Mode "B" keyer. The difference is in the last element sent, where the Mode "B" keyer will always send one more element after the paddles are released. It is simply a matter of knowing when to let go. (Know when to hold 'em.....) You do not, however have to release one of the paddles in order to send the opposite element like the example for sending an "F". You press the dit paddle, when the second dit is being sent you tap the dah paddle, when the dah and final dit is done you release the dit paddle. If you try this in Mode "B" you will get "di-di-dah-di-dah". This is because you must release much sooner.

I think it is really a matter of which one you get used to.

Charles R. Ott, K5HJ

----- Original Message -----
From: Roger A. McCarty <rmccarty@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Monday, April 12, 1999 9:32 AM
Subject: RE: Iambic Type A or B

> Hi Robert,
>
> Mode B is true Iambic or "Squeeze" keying i.e.., An element can be
inserted
> without releasing the opposite element. Or in other words, to form the
> letter "F", you hold down the "dit" key for two elements, then press and
> release the "dah" all the while continuing to hold down the dit key, then
> release the dit paddle immediately after the dah has begun to form. The
Dah
> will be inserted after the second dit and the final dit will automatically
> be sent after the dah. You can see that to form these 4 elements required
> only 4 actual movements i.e.., 1)press the dit key 2)press the dah key
> 3)release the dah key 4) release the dit key. The explanation is far more
> difficult than the action.
>
> In comparison, Mode "A" would require you to release the dit key before
> tapping the dah key and then tapping the dit key to finish. This requires
6
> actual movements for the letter "f" i.e.., 1) press the dit key (count 2
> dits), 2) release the dit key 3) press the dah key 4) release the dah key
5)
> press the dit key and 6) release the dit key.
>
> Mode B is called squeeze keying because when used properly, your wrist
need
> never move. Instead, you only need to squeeze your thumb and forefinger
> together to form the elements. Mode A is more akin to using a bug, as the
> wrist is swung back and forth (slightly) to form the elements. In fact, if
> you are making the transition from a bug to a keyer, Mode A is sometimes
> easier to master. However, high speed folk normally will use mode B as
there
> are less physical movement involved.
>
> Roger KD6CC
>
> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Robert Radtke
> Sent: Monday, April 12, 1999 6:54 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Iambic Type A or B
>
>
> HiHo QRPers,
>
> For those of us who don't have much experience with keyers. What exactly
is

> the difference between Iambic Mode A and B. I recently built a keyer using
a
> PIC 16f84 chip, but I just had to guess as to what the proper behavior
> should be. Basically what I ended up doing was tweaking the code and then
> trying to send with it until I came up with a combination where I made the
> fewest mistakes (Maybe I've invented Mode C ;-)
> I wasn't able to find much info on the net as to what the exact behavior
> should be.
>
> Any info would be great.
>
> Thanks,
>
> Robert Radtke - KC0EJW
>
>

Date: Mon, 12 Apr 1999 11:30:28 -0500
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [37931] QRP ARCI
Message-ID: <37121FA4.9E99FF89@uts.cc.utexas.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

I took the "casual" approach to this contest and only worked 20 meters.
I also painted one side of the house, attended a wedding, enterertained
out-of-town relatives and totally dismantaled my project/rig-building
room for painting. In between, I worked about 48 QSO's in 30 SPC's. I
never seemed to work more than about 30 minutes at any given time.

My highlight of the contest was a short ragchew with V21CW in Antigua
and picking up five new states, including New Hampshire. I'm smilin'
and dancin' today...the old homebrew mini-yagi wire beam was working
well this weekend.

By about 2200 UTC on Sunday, there must have been 50 signals at 599+. I
had my DeMaw 4-pole audio filter in the trusty old EMTECH NW20 cranked
down to about 100 Hz and I could still hear two and three signals coming
through. At the 400 Hz level, the sound was just deafening. I'm sure a
non-contester wandering by thought we were all running kilowatt rigs

:-) It was awesome! Great job everyone.

Looking forward to the next one.

Gary, KJ5VW

Date: Mon, 12 Apr 1999 09:31:21 -0700
From: Bradford D Bilbrey <bigdawg74@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [37932] Solder, flux & electronic parts 101
Message-ID: <19990412.093252.11766.1.bigdawg74@juno.com>

Hello All; Sorry it's a little long, so if your not interested, just delete it.
In light of some inquiries about solder & flux, I thought I would respond with some info. This is not ment to be contraversial, nor do I wish to cause confusion or division. This is an attempt at sharing infomation, which is what this list is about, I think . The info here can be verified by the any of the solder/flux manufactures.

1. Electronic Parts - Most through hole parts, sockets, ICs, axial & radial devices have 3 types of plating, Gold, Tin and solder plate. The reason for these coatings is that the pedominant metal used in lead frame manufacture is KOVAR, a nickel-steel amalgum. The KOVAR is nickel plated and then receives the final coating of Gold, Tin or solder. Over time, the nickel undercoat will milgrate to the surface and oxidize creating nickel oxide. In the case of solder plate the lead in the solder will oxidize as well. Oxides will not whet, hence the need for removal of the oxide. The older the component is, the more oxide will be on the surface and the harder it will be to solder. Most Japanese electronic manufactures will not accept components with solder plate that are over 6 months old without having the parts replated! So how do we remove these oxides?

2. Flux, what is it? Most flux is an acid based compound in suspension. Very aggessive acids are used in plumbing applications (copper pipes). Acid core solder was used in electronics before the detrimental effects on circuitry were realized. Today flux types are divided into three catagories. A. No-clean, B. Resin & C. water soluable, and are in the core of the solder wire.
A. No-clean uses a suspension agent that is very very low in TDS (Total Desolved Solids). Desolved solids are responsible for high resistant shorts, surface bias current paths and acceleration of dendritic growth (migration of conductive materials). This is why it isn't necessary to remove "No Clean".
B. Resin flux is high in desolved solids and need to be removed. The

electronics industry was using Freon TMC or TCE (Trichloralethalyne). These Chlorinated Hydrocarbon cleaners worked great, but were contaminating our environment. Because of the concern over ODS (Ozone Depleting substances), many maufactures started using sofisticated Aquious (water) cleaning systems with high pressure, high temperature deionized water and Citric Acid based detergents to remove the Resin flux.
  C. Water Soluable flux has a water soluable suspension agent, and was developed to make the cleaning process less rigorous. A high surfactant detergent (Dawn), water and mild brushing will remove the flux.

3. How much flux is necessary? As much as needed to remove the surface Oxides. Fine wire flux core solder delivers much less flux and on badly oxidized components. Assemblers tend to use more solder than is necessary. In this case, augment the flux with bottled flux. So use your disgression.

Date: Mon, 12 Apr 1999 09:42:48 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [37933] Winter & Spring Issues of QRPp
Message-ID: <01be8503$7ff03f80$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Guys, the long awaited, much anticipated, and very late Winter issue of QRPp is scheduled to hit the mail on Friday of this week. I apologize to each and every one of you for the lateness of this issue, we obviously had problems. In fact, we had huge problems, but we have overcome them and the issue is just about done. All that is left to do is to print the cover and staple the issues together.

I realize that we should be on time with our issues, but this is a hobby. No one gets paid for doing QRPp, it is a volunteer effort. As such, we make every effort to get it out on time, but there will be times when it is delayed. We have a club publication, and it is much larger than your average club publication, but it is a club publication. I appreciate the patience and understanding that 98% of our members have and thank you for

it. The other 2% have a right to complain, and I will take any criticism that you may wish to send my way.

The spring issue is just about finished, editorially, and will be sent to the printer as soon as he gets the Winter issue out. He has promised to start right away on it and have it out as soon as physically possible.

I feel badly about the lateness of QRPp, but sometimes things happen that you have no control over. Again, I apologize to all of you for the late delivery of QRPp. Please do not complain to anyone but me, as the buck stops here and I take full responsibility.

72, Doug, KI6DS

Date: Mon, 12 Apr 1999 15:43:04 +0000
From: "Walter D. Amos" <waltk8cv@surfree.com>
To: Qrp-l Reflector <qrp-l@lehigh.edu>
Subject: [37934] For sale, OHR-400 ....
Message-ID: <37121488.A90318B1@surfree.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Folks:

I have my OHR-400 with internal keyer for sale, $235! Includes manuals.

waltk8cv@surfree.com
--
Walt K8CV Royal Oak, Michigan, qrp-l # 935, Zombie # 188 !
 "We're just a small sub-group of an eclectic corner of a dying hobby!"

Date: Mon, 12 Apr 1999 10:51:54 -0600
From: bcutter@teal.csn.net (Bob Cutter)
To: qrp-l@LEHIGH.EDU
Subject: [37935] 11-2-10 kit sold
Message-ID: <199904121651.KAA31961@mailrelay3.sni.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The kit is sold.

72, Bob KI0G

Date: Mon, 12 Apr 1999 12:02:23 -0500
From: applitech@mcg.net (Claton Cadmus)
To: <rmccarty@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37936] Re: Iambic Type A or B
Message-ID: <024b01be8506$5ec1a6c0$a10a5e2c@groucho>

From: Roger A. McCarty <rmccarty@earthlink.net> wrote:

> In comparison, Mode "A" would require you to release the dit key before
> tapping the dah key and then tapping the dit key to finish.

Maybe I'm reading this wrong but I think this is incorrect. Mode A is still iambic in that the dit or dash key can remain closed and the opposite key pressed to insert the opposite character in-between. It's my understanding that mode B will "buffer" the final dit or dash where as mode A requires the second to last dit or dash to be completely sent before accepting the last character input.

As in the example letter F ditditdahdit;

Mode A requires the dash to be complete before you can release the dit key.

Mode B allows the dit key to be released anytime after the dash starts as long as the dit key is released after the dash key.

Do I have this right?
---
73 de KA0GKC Claton Cadmus
cla@mcg.net
MNQRP #1
Minnesota QRP'ers we're looking for you!
Email me or visit this page http://www.qsl.net/mnqrp

Date: Mon, 12 Apr 1999 13:03:13 EDT
From: "Kent, AE4Y" <ae4y@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [37937] Re: QRP ARCI Spring QSO party
Message-ID: <19990412170313.79372.qmail@hotmail.com>

Mime-Version: 1.0
Content-type: text/plain

Despite the unusual band conditions, I managed to have a great time
by sporadically operating in the QRP ARCI Contest this past weekend.

Saturday's operation was woven in between yard work and normal
Saturday responsibilities and Sunday operation ceased when the Braves
came on TV followed by the Masters.

I managed 203 QSOs, working 40, 20, 15, and 10.

I haven't had time to compute the final score or see what the
QSO/band breakdowns were, but I certainly had a good time burning the
airwaves with my 5 watts and 40 meter dipole at 30 feet!

Thanks to everyone who gave me a report.

Kent, AE4Y

QRP ARCI #4175   QRP-L #1844
Visit: http://www.qsl.net/ae4y/

Date: Mon, 12 Apr 1999 10:18:37 -0700
From: "Barry L. Geipel - AD6HR" <bgeipel@primenet.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [37938] Question about crystals
Message-ID: <199904121713.KAA10050@newspaper.cwi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all,

I got a bad crystal with my NC38s and I am looking to

replace it. Mouser has two 22.118400 crystals listed.
One has a "Load Cap" of series, and one has a "Load Cap"
of 22pF. Which is the correct one? Also, how can I be
assured that the crystal I am buying is a fundamental
and not a 3rd overtone like the one that came with
my 38s?

Thanks!

Barry
--

Barry L. Geipel (AD6HR) ||
Email:bgeipel@primenet.com || Lacking a muse, my mauser
NRA HMGS-PSW ARRL || must be my thunderbolt
QRP-L #1653 ||
     http://www.primenet.com/~bgeipel/barry.html

Date: Mon, 12 Apr 1999 13:38:13 -0400
From: elawson@lr.net (Ed Lawson)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37939] Re: ARCI Contest from C6A...
Message-ID: <19990412172601.AAA20471@office4.office.new>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

On Mon, 12 Apr 1999 11:23:59 -0400, Bruce T Hopkins wrote:

>Hi Gang...
>
>   I'd like to thank the ARCI gang for putting on another fun event...

Seems like we made contact on 40M and 15 or 20M as well.

I really enjoyed this contest. CW speeds were in my range and
simply fun all the way around. Decided to join so I too can have a
number.

Just worked a bit here and there with a SST,Rainbow Tuner, and a hank of wire
through the slider door for 40M and the TT Scout for 15 and 20M.

Thanks to all for a great time.

Ed Lawson

K1VP

Date: Mon, 12 Apr 1999 10:38:55 -0700
From: Rich Vizcarra <RVizcarra@Filss.com>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [37940] Antenna Recommendations
Message-ID: <1134532B7C60D2119F390060979D0B540864F5@net001.LittonSolidState.com>
MIME-Version: 1.0
Content-Type: text/plain

Gang - I would like to thank all that responded to my question on and
off the list. As usual, everyone was very helpful. Thanks again.

Rich K6TM
Santa Clara, Ca

Date: Mon, 12 Apr 1999 10:42:49 -0700
From: Wayne Burdick <n6kr@elecraft.com>
To: qrp-l@lehigh.edu, elecraft@qth.net
Cc: qrpbob@datatamers.com, erics@elecraft.com, radman@best.com,
jeff.logullo@Central.Sun.COM, k5zty@juno.com
Subject: [37941] Correction on Kester solder part numbers
Message-ID: <v03102802b337d793c664@[206.169.227.101]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Sorry for the confusion on the solder part numbers. I called Kester to
verify the actual part numbers and descriptions since the Mouser catalog
left a few things to the imagination.

Kester actually has two different types of .031" diameter, 2% silver
solder. The Kester part numbers are:

   24-7150-8800 is 1.1% flux by weight ("no-clean," or "245" flux)
   24-7150-0027 is 3.3% flux by weight (good ol' standard "44" flux)

The Mouser equivalents are:

   533-24-7150-8800
   533-24-7150-0027

Both numbers refer to 1-pound rolls. The 3.3% flux product is also
available from Mouser in an 0.35-oz roll and .022" diameter (p/n 533-04151)
for those who don't want to part with about $19 for a full pound.

Both types have been given strong recommendation by various kit builders.
I'm leaning towards the -8800 because it should leave less flux residue,
requiring no flux removal at all. I have ordered samples of both and will
post a follow-up after Bob Dyer (Wilderness) and I give them a spin.

73,
Wayne
N6KR

www.elecraft.com

Date: Mon, 12 Apr 1999 10:51:20 -0700
From: dave_epps@juno.com
To: qrp-l@lehigh.edu
Subject: [37942] Ten-Tec PC Rcvr
Message-ID: <19990412.105121.-320509.1.dave_epps@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I see articles referring to the RX-320 as a great little AM SWL rcvr and
it is, but it is a
whole lot more. With many filter selections, a dsp i.f. down to 300 hz
(or narrower), tuning down to 1 hz , adjustable bandpass and excellent
stability it makes a great ham rcvr.
I wish I knew enough to interface it with an outboard qrp transmitter.
        dave ab5pc fresno, ca.

Date: Mon, 12 Apr 1999 13:04:38 -0500
From: "Mark A. Andrews" <KE4IOF@HiWAAY.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37943] Re: Winter & Spring Issues of QRPp
Message-ID: <014401be850e$ee7fecb0$1d20010a@benchcraft>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Doug. Don't worry about it. None of us were... :-)

Mark, KE4IOF
QRP-L #146

>
> I feel badly about the lateness of QRPp, but sometimes things happen that
> you have no control over.   Again, I apologize to all of you for the late
> delivery of QRPp. Please do not complain to anyone but me, as the buck
> stops here and I take full responsibility.
>
> 72, Doug, KI6DS
>
>

Date: Mon, 12 Apr 1999 13:15:58 -0500
From: James Parsons <k5rov@wcc.net>
To: ",Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37944] Re: Ten-Tec PC Rcvr
Message-ID: <3712385E.AD9119AC@wcc.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I wonder if the receiver can be muted when transmitting?

dave_epps@juno.com wrote:
>
> I see articles referring to the RX-320 as a great little AM SWL rcvr and
> it is, but it is a
> whole lot more. With many filter selections, a dsp i.f. down to 300 hz
> (or narrower), tuning down to 1 hz , adjustable bandpass and excellent
> stability it makes a great ham rcvr.
> I wish I knew enough to interface it with an outboard qrp transmitter.

> dave ab5pc fresno, ca.
> _____
> You don't need to buy Internet access to use free Internet e-mail.
> Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
> or call Juno at (800) 654-JUNO [654-5866]

--

James (Jim) Parsons, K5ROV USAF, Ret. Ham for 58 yrs.
k5rov@wcc.net ICQ-17012707 QCWA, NWQRP, Fists, ARRL
EX: W1RLA, K5FBB, K4FEO, SV0WN (CRETE), SV0WN (RHODES),
DL4NC, DL4JP, KA2FC (JAPAN), KA2JP (JAPAN).
JOHN 3:16

Date: Mon, 12 Apr 99 13:39:10 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp <qrp-l@lehigh.edu>
Subject: [37945] CW shaping/bandwidth/speeds [long]
Message-ID: <E10Wkog-0000gy-00@smtp.ticnet.com>

-- [From: Chuck Adams * EMC.Ver #2.5.02] --

Gang,

Since the thread got started on the Iambic Modes I thought
this group would get a kick out of this, so print this off and
keep it. I hope it is a jewel 'cuz I know that I have spent
a lot of time on it. :-) First of all open up your hymnal
^h^h^h^h^h^h ARRL HB 1995 or later to Chapter 12 page 12 (12.12).
Also you might want to go back through the archives and get
19970604 and 19981105 and look for the keyword Fourier.

Figures 12.20 and 12.21 are very important to CW ops everywhere
independent of whether you are using a commercial or a homebrew
rig and the diagram doesn't show everything that is implied for
a first class generated dit or dah. The shaded area is assumed
to be an AC waveform of perfectly stable frequency f(0), i.e.
the carrier frequency.

In Figure 12.21 you'll note that as you change the rise and fall
times the bandwidth is also changed and I had mentioned this in
the above archives and it has to do with the mathematics of doing
the Fourier Analysis.

Ed Hare, W1RFI, at ARRL HQ is famous for a circuit that he did

some time ago that takes an audio input and regenerates the waveform to whatever frequency (audio) that you set and reshapes the waveform to suit the listener and a lot of high speed ops use it. Of course, Ed has done a lot of other stuff too. :-)
Ed? What happened to the circuit? Did it disappear from the HB? I'll start a letter writing campaign to get it back in the book. :-) This circuit was used in all the excellent ARRL CW CDs.
At higher speeds you want a shorter rise and fall time. It's because of the total time per dit. Let me show you what I'm talking about.

I was making three audio CDs yesterday for three Adv/Gen/Nov/Tech+ people to do 20wpm. I own an SGI O2 system that I use almost daily to practice high speed Morse because of the 44.1KHz DSP audio interface and a series of programs that I wrote from scratch. So before burning the CDs I thought that I'd better recalibrate the code just in case some parameters changed. The code is years old and I had not thought anything about changing anything when I moved it from an older Indigo system to the O2. I mean, what could change about 44.1KHz?? :-)

The time in mS for a dit is equal to 1200/WPM. Memorize this boys and girls. Here is how you derive this formula. I don't like to memorize too much. :-) Everyone knows that a dit is 1 unit long, a dah is 3 units long in time, 1 unit between dits and dahs in the same character, three units between individual characters and 7 units between words. The word PARIS including the word spacing is 50 such units. At 20WPM the word PARIS can be sent exactly 20 times, thus 1000 units per 60 seconds means 60mS per unit. A dit is exactly 60mS long. Now don't get retentive on me and nit pick. If you have the letter I, both dits will be spaced 120mS apart at the corresponding points of each element. You can get into a really heated argument with just about anyone as to when the human ear starts to hear the element and you want the element to be exactly 60mS long to the listener... With the reshaping circuit above of Ed's the listener can make it the way they want. The important timing thingy here is the time per each element and spacing....

So do you see where the 1200/WPM formula comes from? 20 x 60?

Also, one dit is 60mS at 20WPM. With the space this makes 120mS per dit in a continuous string (like we hear on the air sometimes when someone leaves a rig on and the cat lays down next to the paddle) and 1/.120 dits per second x 2.4 is 20WPM. Thus the formula on page 12.12 WPM = 2.4 x dots/s (I prefer dits/S notation). Sound and SI.... :-)

Another good formula is BW = 4 x WPM. See figure 12.21 and do this for some even speeds..... Also turn to page 15.6 and look at Fig 15.8.

To me this is the best figure in the whole book on explaining what the sidebands look like for a nicely keyed rig and the bandwidth of the spectrum display is very narrow.... There is so much in the HB to explore, isn't there?

The ARRL and I use 5mS for the rise and fall times at the slower (<35) speeds. Also on page 12 of Chapter 12 you can not tell me if the sound represented in the figure is a dit or dah. It turns out we need a few characters to be sent to determine whether we are looking at a T or an E. The spacing to the next element doesn't help as the illustration was probably not intended to be drawn to scale. And it could be a straight key being operated by a three year old...

Also note the asterisk next to the 2mS notation on the rise and fall times. I think that is a carry over from some article in QST and the author probably recommended that value for higher speeds. My guess on this one.....

The reason for the rise and fall times is to prevent key clicks and to prevent thumps in earphones. I had to go through a bunch of earphones to get a set that didn't thump/click on fast rise times. Let's not start the earphone thread again as everyone has their preference. :-) I think there is a lot of human dependencies on these things that determine what each of us hears on different phones. As an additional note, make sure you run the things at the lowest volume you can. Don't sit in the front row of the rock concert... :-)

At higher speeds above 40WPM I decrease the rise time to 2.5mS or less. And sometimes I play around with the value just to see how critical it is. Ever notice that all the high speed ops that run 60WPM+ or better on the low end of 40m early in the morning have sharp keying and do take up more bandwidth. About 240Hz or so. At 60WPM the time per dit is 20mS and the rise and fall periods eat up 50% of the element and the note gets too soft for some human ears. So the high speed ops will either themselves modify a rig or have someone do the mods (and there are several around for rigs like the TenTec and that is why the Corsair I and II's are so popular with the high speed ops) to get sharper rise and fall times. This is also important for each of us in that we hope the rig designers have looked at the rise and fall times and made them 5mS or slightly shorter so that you can do better than 30WPM on the rig. The first thing that I do after getting a rig built is to key into a dummy load at 50WPM and see how the rise time is. Change the RC time constants in the keying circuit to decrease the time if needed. Rig designers usually work through this issue with a scope on the prototype.

OK, going back to the CD project. I worked through all the math again yesterday morning and was about to burn the CDs when I discovered

that I had been practicing some stuff at 80WPM and it was really 92WPM. I thought the difficulty was with my being inactive for several months with Atlanticon and other stuff. :-) So, I reset the constants in the program and for 20WPM each dit is 60.0mS long with a rise time of 5.0mS. If I hadn't checked this the guys and girls would be doing 23WPM on the CD.... :-)

And do note that in the Fourier Analysis that there are upper and lower sideband frequency components. So you can listen to CW with upper SSB or lower SSB receivers. It's just the filtering that goes on, IF mixers, etc. The CW position may be USB on some bands and LSB on others. Just depends. I'd have to dig the Corsair out of the closet to see what it does. Doesn't matter though..... We each get used to a rig and don't think anything about it, which is what makes a good rig. The less we think about it the more we enjoy the on the air experience..... The width of a signal is 0Hz with no keying and you can use the heterodyne to determine your filter bandwidth, which we do during contests anyway. :-) ;-)

So for the thing that I'm doing on the CDs. I can change the tone, amplitude and speed. I think I have a quick mod that would even generate a chirp :-) ;-) and I certainly can change the shaping factor but there are more valable things to be doing....

So three CDs went out today and others as I get them. Again ADV/GEN/ NOV/TECH+ only now. It does eat up a lot of time.

The QRP-L Archive 2.0 CD hasn't arrived yet so I'll post when I get the latest version and get it to those with burners. Remain patient there is a group involved here..... Thanks.

FYI

--
Chuck Adams K5FO adams@ticnet.com CP-60
http://www.ticnet.com/k5fo

Date: Mon, 12 Apr 99 13:44:29 -0500
From: Chuck Adams <adams@ticnet.com>
To: "Roger A. McCarty" <rmccarty@earthlink.net>
Cc: qrp <qrp-l@lehigh.edu>
Subject: [37946] RE: Iambic Type A or B; corrected by the best:-)
Message-ID: <E10Wktp-0000iJ-00@smtp.ticnet.com>

-- [From: Chuck Adams * EMC.Ver #2.5.02] --

Roger,

You mean to tell me there are people who can tie
their shoes? Maybe you can tell me why Nike
and the rest supply mile long shoe strings with
their sneakers? I'd think they could save $250K
per year alone on materials....

Don't take my posting as a critique on your work.
It was excellent and I apologize if it seemed that
way in public. My contribution was just to note
that I have found that most of us use one or the
other and stick with it, i.e. Mode A or B. The
jury is out on which is the better and it doesn't
matter one hill of beans in the big picture. :-)

dit dit es tnx

--
Chuck Adams K5FO adams@ticnet.com   CP-60
http://www.ticnet.com/k5fo

Date: Mon, 12 Apr 1999 13:41:12 -0500
From: Jeff Gold <JGold@tntech.edu>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [37947] Unique micropaddle
Message-ID: <009901be8514$0a346a80$4d0b9595@cc.tntech.edu>
MIME-version: 1.0
Content-type: text/plain;   charset="iso-8859-1"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Glad you guys are keeping up with this stuff. Checked out the web site.
Found one of the clips in my drawer at work. Went to the shop and took a
pair of plyers. Think I can make one of those with scraps in my shack. Cool
idea!!

72
Jeff, AC4HF

Date: Mon, 12 Apr 1999 02:33:14 -0400
From: Joseph Mikuckis <k3chp@erols.com>
To: qrp-l@Lehigh.EDU
Subject: [37948] Zombie Reunion
Message-ID: <371193AA.25A5@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The Zombies seem to have an ability to somehow proliferate. And who knows, maybe even to reproduce! I see them on magazine covers and in hamfests. While attending Atlanticon I became one myself. The Zombie badges are numbered (mine is number 610). I don't know how many Zombies there are lurking, or staggering around, but by some quirk of nature my empty head generated the following idea. How about an annual, on-the-air Zombie reunion?

Joe, K3CHP
Riverdale, MD

Date: Mon, 12 Apr 1999 14:57:39 -0400
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrpl_Submit (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [37949] RE:PatComm PC-9000 XCVR
Message-ID: <21E06269B00ED111BE9B00805F6D0FA37AA6DE@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

I have not heard a word about anyone having one of these little guys. Feature-wise they look great and the price isn't too be either considering it's ready to go out of the box.

Has anyone touched one or tried it out?

Sam Billingsley   AE4GX   Atlanta (Buckhead), GA
http://ae4gx.home.mindspring.com/

>>>snip>>>
Subject: PatComm PC-9000 XCVR.
From: Vincent Ferme (vferme@sprint.ca)
Date: Sun, 11 Apr 1999 17:49:06 -0400
Additional information is available at the following URL:

http://www.radiowise.com/prod/pat/PC9000/pat.htm

It's not a QRP only transceiver but has a 5 W option and 6M coverage, looks interesting.

No connection with the dealer or manufacturer. For information purposes only!!

73 de Vince, VE3VFN.

Date: Mon, 12 Apr 1999 12:55:00 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-l'" <qrp-l@lehigh.edu>
Subject: [37950] Linux
Message-ID: <01BE84E3.AEAD7B00.bmug@gwl.com>

OK, I got it loaded over the weekend - I know it took awhile but I had to build a computer first.

The load went fine except it couldn't find the CD drive. Well I retried it a few times and it still didn't work. Finally, I was just messing with it and tried a different language - Red Neck - and guess what it booted the CD just fine.

Does anyone know if there is a reflector (like this one) that deals with Linux? I am having other questions come to mind and don't want to bog down this one.

OQRP - I have SPICE loaded and will be adding the logging software soon. I don't know what I'm going to do with it but it is sure fun.

de KI0OT, Brad

Date: Mon, 12 Apr 1999 15:11:57 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [37951] TS-50 *SOLD"*
Message-ID: <199904121514_MC2-717B-3940@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Content-Transfer-Encoding: 7bit

Gang:

The Kenwood TS-50 has been spoken for. Thanks to everyone who inquired.

72,
--Doc Lindsey/K0EVZ
   DSBF
   PO BOX 7187
   Bismarck, ND 58507
   70511.3041@compuserve.com

Date: Mon, 12 Apr 1999 15:31:44 -0400
From: Laura Halliday <lha@sdr.utias.utoronto.ca>
To: qrp-l@lehigh.edu
Subject: [37952] Spread Spectrum
Message-ID: <3.0.6.32.19990412153144.007a63f0@madrox>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Spread Spectrum seems to be the cause of more disinformation
in ham radio circles than just about any other technological
development since radio itself...

The main thing it can do for us as hams is make it easier to
share bands. By spreading an otherwise-narrow signal over a
large bandwidth, the energy in a given bandwidth is small,
making it less likely to interfere with others. Including
other hams.

The legalities of spread spectrum vary, from banned outright,
to the U.S. approach (which sounds like more trouble than it's
worth, IMHO), to the Canadian approach - the Powers That Be
say how much bandwidth we can use on each band, but how we
use it is up to us.

A system we would now call frequency hopping spread spectrum
was patented during World War 2 as a jam-proof means of guiding
torpedoes. What techno-trivia types can name the people who
did it? One of them was famous for other things...

Laura Halliday VA3LDH   "Que les nuages soient notre pied
Grid: FN03gs   a terre..." - Hospital/Shafte

Date: Mon, 12 Apr 1999 14:42:32 -0500
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>
To: <lha@sdr.utias.utoronto.ca>, <qrp-l@lehigh.edu>
Subject: [37953] RE: Spread Spectrum
Message-ID: <000001be851c$9dea2960$8dc9ce80@missouri.edu>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>A system we would now call frequency hopping spread
>spectrum was patented during World War 2 as a jam-proof
>means of guiding torpedoes. What techno-trivia types can
>name the people who did it? One of them was famous for
>other things...

Hedy Lamarr and George Antheil. Do I win a big prize? ;)

73,
Nathan
KB0NNV

(Find the whole story at: http://www.sirius.be/lamarr.htm)

Date: Mon, 12 Apr 1999 14:32:44 -0400
From: "Bob Smith" <bsmith@msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37954] Kit to buy now...
Message-ID: <008501be8512$db1a6c00$6864a8c0@bob.5045Dorset>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Greetings, been off the list for a while and wanted to get going on a new
QRP kit again.

Have had 2 Norcal 40's in the past and absolutely love the radio - primarily
low current drain on receiver and great overall operation.

While 40M is my primary use - 15M would be good to have as well along with

80M operation.

Anything beating the (Wilderness) Norcal 40 these days - how about the new Red Hot coming out - should I wait for that? Any ideas when it will be out? Don't want to loose too many spring camping weekends waiting...

I fear that If I go with a Sierra, I'll end up bumping up to the new K2 price wise when I trick it all out. Wouldn't mind really having 3 sep radios of the N40a level one for ea. 15m, 40m and 80m either.

So, any advice/opinions would be much appreciated.

Sorry for any recent repetition here but I scanned the archives best I could and didn't get very far.

Thanks and 73,

Bob Smith, N3FTU

Date: Mon, 12 Apr 1999 16:16:29 -0400 (EDT)
From: Jim Cotton <cotton@wmich.edu>
To: qrp-l@Lehigh.EDU
Subject: [37955] Looking for schematic/parts for a Stoner RT-/PMC-12
Message-ID: <Pine.GSO.4.02A.9904121545350.9555-100000@puma>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It's not exactly a QRP radio, but...

A friend is looking for schematics of the Stoner RT-/PMC-12 to repair it for use as a camping radio. He is also looking for additional TX and RX bandpass modules and a LSB filter.

The radio currently qualifies as QRP since the transmitter PA section is inoperative :^(

Jim Cotton, N8QOH | jim.cotton@wmich.edu
Western Michigan University | Phone: (616) 387-6421
Network Systems Group | Fax: (616) 387-5473

Date: Mon, 12 Apr 1999 13:23:07 -0700
From: "Kevin Russell" <kevin.russell@eng.sun.com>
To: <qrp-l@lehigh.edu>
Subject: [37956] IC-706 Power Consumption @ 5w ?
Message-ID: <000901be8522$46fe3640$86ad9081@krlap.eng.sun.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi,

Does anyone know what the transmit power consumption of an IC-706 is at
reduced power? I am specifically interested in the lowest TX setting
possible.

Thanks,

Kevin (N4XPP)

Date: Mon, 12 Apr 99 16:42:22 -0500
From: bump-km3d@redrose.net
To: qrp-l@lehigh.edu
Cc: kevin.russell@eng.sun.com
Subject: [37957] Re: IC-706 Power Consumption @ 5w ?
Message-ID: <199904122043.QAA47114@nss4.cc.Lehigh.EDU>

Guys,

My IC-706 Mk II measures about 2.5w output on 40m CW in the lowest position;
the rig draws about 1a. on receive and almost another amp. to give the 2.5
watts - I wouldn't exactly call it a 'QRP' rig (hihi). These 'measurements'
were made by watching the ammeter on my homebrewed 20a. power supply in the
shack (the meter resolution leaves much to be desired).

73,

Harry, KM3D

> Hi,
>
> Does anyone know what the transmit power consumption of an IC-706 is at
> reduced power? I am specifically interested in the lowest TX setting

> possible.
>
> Thanks,
>
> Kevin (N4XPP)
>
>
>

Date: Mon, 12 Apr 1999 16:53:00 -0400 (EDT)
From: "John L. Sielke" <n4js@pobox.com>
To: Joseph Mikuckis <k3chp@erols.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37958] RE: Zombie Reunion
Message-ID: <XFMail.990412165215.n4js@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

Is there not such a thing, on Halloween?

On 12-Apr-99 Joseph Mikuckis wrote:
  I don't know how many Zombies
> there are lurking, or staggering around, but by some quirk of nature my
> empty head generated the following idea. How about an annual,
> on-the-air Zombie reunion?
>
> Joe, K3CHP
> Riverdale, MD
>

  _   _   _   _
 / \ / \ / \ / \   John L. Sielke n4js@pobox.com n4js@qsl.net
(N)(4)(J)(S) NJ Grid:FM29LN http://www.qsl.net/n4js
 _/ _/ _/ _/   NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
  G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

Date: Mon, 12 Apr 1999 16:57:27 -0400 (EDT)
From: K6AEC <rob3ert@vegas.infi.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37959] Need a SPRAT page copy
Message-ID: <199904122057.QAA24366@fh102.infi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

I just got issue #98 (Spring, 1999), and find that a great deal of page #5, which is the schematic for the OK2PZL xcvr, is BLANK. If anyone got a "full" page, I would appreciate a copy. I can accept attached files, if someone can e-mail that page.

Thanks in advance.

72/73

Bob Parks
K6AEC (Las Vegas, NV)

Date: Mon, 12 Apr 1999 17:03:46 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [37960] Re: Zombie Reunion
Message-ID: <006801be8527$f5170d60$8e5445c6@ronaldpo>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I joined at the Atlanticon 1999 Forum also!

What about a Zombie Contest??

72 & 73
Good DXing
Ron de WB3AAL
wb3aal@talon.net

vvv   Eastern PA QRP Club Web Page   vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
      Eastern PA QRP Club Call ---> N3EPA

Eastern PA QRP # 1   ARCI QRP # 5318

NJ-QRP # 179 G-QRP # 3031
KL7 QRP # 309 NorCal #
NorCal Zombie #625

Date: Tue, 13 Apr 1999 17:03:15 -0400
From: Andy C Meng <andymeng@juno.com>
To: qrp-l@lehigh.edu
Subject: [37961] homebrew antenna tuner questions
Message-ID: <19990413.170319.12366.1.andymeng@juno.com>

I am thinking of building a QRP antenna tuner. I don't have the money to buy one, so
my thoughts turn naturally to building one. :-) We have some old air-variable tuning caps
around here. They don't have much spacing between the plates, but at only a few watts
I don't think that would be a problem. Inductors should be easy to wind, I guess. I'll
probably use a PVC form (airwound) and change taps, however, could I use iron powder
cores? Could they handle the power? Would the inductance per turrn be to high?

I am looking at the SPC circuit, it looks pretty simple. If anyone has any better suggestions
I am open to them also, of course.

This shouldn't be too hard, there's hardly any parts!

73 de KC8KFI Andy
QRP-L #1813 Cincinnati, OH Total HF CW QRP contacts: 24
e-mail: andymeng@juno.com URL: http://www.qsl.net/kc8kfi/
SW-40+ running a watt or two into a Dipole at 24ft. and straight key
HTX-202, KPC-3, and roof-mounted groundplane

Date: Mon, 12 Apr 1999 17:22:08 -0400
From: "Ron Polityka" <wb3aal@talon.net>

To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [37962] NC-20 Question
Message-ID: <010201be852a$85ea5480$8e5445c6@ronaldpo>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello,

 Does anyone know the answer?

What other countries did the other
half of the NorCal 20 Project go too?

Inquiring minds want to know!

Thanks,
72 & 73
Good DXing
Ron de WB3AAL
wb3aal@talon.net

vvv   Eastern PA QRP Club Web Page   vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
      Eastern PA QRP Club Call ---> N3EPA

Eastern PA QRP # 1   ARCI QRP # 5318
NJ-QRP # 179   G-QRP # 3031
KL7 QRP # 309   NorCal #
                                        NorCal Zombie #625

Date: Mon, 12 Apr 1999 21:24:24 +0000
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: QRP-L <QRP-L@lehigh.edu>
Subject: [37963] Ten-Tec desk microphone kit?
Message-ID: <37125678.DA0@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Does anybody on this list have experience with the Ten-Tec desk-top
microphone (#1201 in kit form and #705 ready-made)?

TIA es 73,
--
Arjen Raateland
SAS Support
Finnish Environment Institute, Helsinki

AX.25: OH2ZAZ@OH2RBI.FIN.EU

Date: Mon, 12 Apr 1999 17:26:23 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: bump-km3d@redrose.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37964] Re: IC-706 Power Consumption @ 5w ?
Message-ID: <Pine.3.89.9904121705.A11198-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 12 Apr 1999 bump-km3d@redrose.net wrote:
>
> My IC-706 Mk II measures about 2.5w output on 40m CW in the lowest position;
> the rig draws about 1a. on receive and almost another amp. to give the 2.5
> watts - I wouldn't exactly call it a 'QRP' rig (hihi). These 'measurements'
> were made by watching the ammeter on my homebrewed 20a. power supply in the
> shack (the meter resolution leaves much to be desired).
>
Since you're already set up to check it - and I'm not - what does the rig
draw on receive if you shut off the backlight on the display via the menus?

       73,
                    ,'' '',
     Bob Patten, N4BP   (0 0)   Plantation, FL
_____________________________oOOo-(_)-oOO_____________________________________

                          E-Mail: n4bp@bc.seflin.org
               Web Page: http://wg104a.wh.uni-stuttgart.de/~n4bp
                      Brass Pounder BBS: (954) 472-7715

Date: Mon, 12 Apr 1999 17:44:43 EDT
From: KB9OCE@aol.com
To: qrp-l@lehigh.edu (Low Power Amateur Radio Discussion), lowpowerdx@egroups.com,
owner-cw@qth.net

Subject: [37965] Hallicrafters Question
Message-ID: <c8e66608.2443c34b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Does anyone know of a Halicrafters newsgroup, etc? A friend has a hallicrafters s38e in mint condition. He isn't on the web and he asked if I could find out about it's value for him. Thanks and 73

Mike

Date: Mon, 12 Apr 1999 14:53:10 -0700 (PDT)
From: Jim NOUR <n0ur@yahoo.com>
To: QRP-L QRP-L <qrp-l@Lehigh.EDU>
Subject: [37966] QRP ARCI Contest/N0UR
Message-ID: <19990412215310.12783.rocketmail@send204.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

S/O All Band - 5W

Band	QSOs	Points	Mults
160	1	35	1
80	10	308	10
40	81	2352	28
20	195	5628	43
15	75	2107	35
10	9	259	7 (I tried)
Total	371	10689	124 Score 1,325,436

Station: IC-735 @ 5W 3 el Yagi, Zepp, Dipole

Great condx on the home front.....wife worked all weekend, rain/snow outdoors. Bands OK, 15 and 10 did not open as well as in other parts of the country, 40 was a disappointment. Still had a ball! Thanks to all!

72's Jim

Date: Mon, 12 Apr 1999 18:05:01 -0400
From: KM3D <bump-km3d@redrose.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [37967] IC-706 power consumption
Message-ID: <37126E0D.230DF82D@redrose.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bob and the gang,

Wish I could tell you more (I did my testing before installing the '706
in the car).
The rig is mounted mostly permanently under the dash in the Oldsmobile.
I'll put
your post in my 'todo' mail and if you don't find out first, will check
that the
next time I pull the rig.... I didn't check the power output at the
various levels
as can be set and would like to do that sometime, too (I know setting
'L' is 2.5w -
wonder if setting '1' is still under 5w?). I'm using only the internal
metering in
the rig while mobile.... but have been thinking of an outboard SWR
bridge (for
easier visibility).

Keep in touch - 73,

Harry, KM3D

Date: Mon, 12 Apr 1999 18:03:01 -0400
From: VE3JC - John C <jbcumming@wwdc.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, QRP-CANADA <qrp-
canada@lists.gpfn.sk.ca>
Subject: [37968] Contest Scoring - A suggestion
Message-ID: <37126D95.D9E83FC0@wwdc.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I had lots of fun in the limited time I was able to spend in the ARCI Spring contest. Every time I start cranking through the contest entry paperwork, I notice what seems to be one of life's little injustices ...

I would humbly suggest that paid up members of the sponsoring club should get a "multiplier". For example, under existing rules, if I am NOT a QRP ARCI member, and I work YOU, a member, then I get 5 points and YOU get TWO points. Is this "fair"? Does this encourage you to retain your membership????? Does it encourage me to take out membership?

If "paid up" members were allowed to use a 2X or 5X multiplier for ALL contacts that they make in a club-sponsored contest, I think it would actually encourage membership growth.

Just a thought...which I've had many times, but will gripe about only once ;^)

Vy 73/72, JC


```
            |     VE3JC  John Cumming
     Q      |     Delaware, ON CANADA
     /\     |     jbcumming@wwdc.com
   @` / ----      hf qrp cw bicycle mobile
  ( ) \( )        http://www.geocities.com/CapeCanaveral/Lab/7378/
```

Date: Mon, 12 Apr 1999 09:34:08 +0100
From: "Tony Fishpool" <g4wif@btinternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>, "GQRP list" <gqrp@onelist.com>
Subject: [37969] SPRAT Page 5
Message-ID: <013701be84bf$bb384680$cbfaabc3@p75>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

A few folk have reported an "iffy" page 5. I've e-mailed George G3RJV and when he gets back, I'll ask him to e-mail that page to me, I'll put it on the
club web pages for all to download (and I'll post to both lists that it's

there).

Kind regards
Tony G4WIF

Date: Mon, 12 Apr 1999 18:15:08 -0400
From: VE3JC - John C <jbcumming@wwdc.com>
To: rattray@gpfn.sk.ca
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37970] Re: Glacier hamfest (fwd)
Message-ID: <3712706C.3C4C6F77@wwdc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Oh No! Glacier Water-ton-i-con !!!!

Bruce Rattray wrote:
> of course if a presentation is being worked up, so much the
> better....w

Date: Mon, 12 Apr 1999 15:20:53 -0700
From: "Cam Hartford" <camqrp@cyberg8t.com>
To: <qrp-l@lehigh.edu>
Subject: [37971] Spring QSO Party entries
Message-ID: <001101be8532$d1934060$6b47cbd1@Camqrp>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang -

Sounds like lots of folk enjoyed the weekend outing on
the bands. I would have enjoyed it more without the
constant S-7 QRN... Life in the big city.

This is probably a good time to send out a couple of
reminders about your entries. Some things to remember:

        1) We count S/P/Cs by band, so remember to

tally up the multipliers for each band before plugging
        them into your scoring equation.

        2) I have retired. Send your logs to Joe
Gervais, AB7TT, QRP ARCI Contest Manager, P.O.Box 322
Peoria, AZ, 85380-0322, or e-mail ASCII files to
vole@primenet.com. He's waiting eagerly by his mailbox,
ice cream in hand.

72/73,

Cam N6GA

Date: Mon, 12 Apr 1999 17:54:40 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37972] RE:PatComm PC-9000 XCVR
Message-ID: <008601be852f$120dbd40$6b1205d1@vince>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Sam,

The PatComm web site says they expect to ship the first units in late April.
I lost the URL, unfortunately.

73 de Vince, VE3VFN.

----- Original Message -----
From: Sam Billingsley <SBillingsley@usaninc.com>

> I have not heard a word about anyone having one of these little guys.
>
> Has anyone touched one or tried it out?

Date: Mon, 12 Apr 1999 18:49:12 -0400
From: "Harry T. Hurst" <hhurst@delaware.infi.net>
To: <k3chp@erols.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37973] Re: Zombie Reunion
Message-ID: <008501be8536$b97b0d10$950d010a@wil-support1.WILMINGTON.GCI>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sounds like a Halloween contest.

Date: Mon, 12 Apr 1999 15:41:38 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [37974] 3rd World NC20 kits
Message-ID: <01be8535$a0b30400$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Guys, the first shipment of NC20 3rd World kits is on its way to England and the Rev. George Dobbs, G3RJV. They were sent surface, as the expense of shipping them overseas is huge, even going surface, it costs $3 per kit to ship. I have to wait until they arrive and make sure that the method of packing, shipping etc. are all ok before I ship more. The distribution of the kits will be a slow process, due to the method being used. George is going to have each kit hand carried into the countries and delivered to the recipitants. Otherwise, the risk is too high that they will just "disappear". George is just getting ready to go on sabatical, and he will not return home until July 28th. Thus, it is doubtful that the first kits will go out before that date. His wife JoAnna will let me know when the kits do arrive and their condition etc. Don't worry, we have the kits, and they will get distributed, but it is going to be a slow process. Also, due to political reasons for George (what I mean here is that George does not want to get into a dispute as to who gets how many kits, etc.) , some countries getting kits might not be identified, if any are. That is George's domain, and he will handle it. It is a huge undertaking to distribute the kits, and I am most happy and grateful that George and the G-QRP Club have agreed to undertake this huge job. By the way, all of the

3rd world kits have been given to George and the G-QRP Club. He has the full say as to how they will be distributed and to whom. Ownership of the NC20 third world kits now belongs to the G-QRP Club.

72, Doug, KI6DS

Date: Mon, 12 Apr 1999 17:43:40 -0500 (CDT)
From: Jim Glover <psykey@okcforum.org>
To: qrp-l@lehigh.edu, okcham@okcforum.org
Cc: randylh@flash.net
Subject: [37975] New kit on the air!
Message-ID: <199904122243.RAA07616@okcforum.org>
Content-Type: text

I finished building my Pixie2 kit last night, and so of course tradition calls for a post to QRP-L (and while I'm at it, I'll send it to the local ham list, too)!

For anyone who's not familiar with the Pixie, it's a very simple QRPp (200 milliwatt or so) transceiver with a crude, but effective DC receiver. It's a very simple circuit to make at home, or, you can buy a kit for about $10. For more info, see:

http://www.qsl.net/al7fs/AL7FS2.html

First, let's roll the credits. Many people from QRP-L have helped me out with this. Far too many have given advice for me to thank them all here, but a few need to be singled out for special thanks. Bill, KC5SCC, sent me a couple of 80-m crystals from his junk box, and Bill and Mike (whose call I do not have) both sent me snippets of RG-174. When I was wondering how to make it a multi-bander, I got lots of helpful hints, including one from Doug, KI6DS that's worked out great. (More on the mod based on Doug's advice, later.) When I realized I wouldn't be able to put a knob on the variable capacitor I'd picked up for $2 or $3, someone (whose name and call I have misplaced) suggested that I use JB Weld to attach a shaft of some sort. That has worked out well. Many thanks to all of you who have answered my questions and offered advice!

Customizations

Based on advice from Doug, KI6DS, I installed a mod which makes it easy to change bands. You know that inductor in the final circuit that has a different value, depending on what band you're using? Doug told me how to make a simple socket for that. I broke off 3

consecutive pins from one side of a DIP socket, removed the middle pin, and soldered the other two in the board where that inductor goes. Another 3-pin section holds the inductor, and plugs into the "socket" on the board. Now, changing bands is a snap.

Other customizations involved the oscillator circuit. I decided to go with the RIT/XIT mod. I found a cheap air variable capacitor, which was actually designed to be used as a trimmer. I epoxied a 1/4" shaft (after sanding down the slightly over-sized aluminum rod, using an electric drill) to the little hex-nut-looking thingy on the trimmer, so I could put a regular knob on the capacitor. The capacitor is in series with the crystal, between the crystal and ground. A toggle switch shorts out the capacitor, connecting the crystal directly to ground. An alligator clip is soldered to one of the lugs on the toggle switch, and is the relatively firm half of the "crystal socket"; the other half is an alligator clip on a short piece of stranded hookup wire leading from the non-ground side of the spot on the circuit board where crystal goes. (The ground side goes to the other lug on the switch, and the capacitor is across the two lugs of the switch.)

I built the whole thing in a metal box that some kind of toffie had come in. The box is rectangular, and (guessing) about 5 inches wide, 8 or 9 inches long, and about 2 inches deep. I drilled two holes in the circuit board, and bolted it to the lid of the box. The connectors, switch, and variable capacitor surround the circuit board. I used an SO-239 for the antenna, a 1/8" (mini) phone jack for audio, and a 1/4" phone jack for the key. The larger holes I drilled by clamping the box lid between two pieces of wood, then using a wood drill bit to drill through the wood, and then through the sheet metal of the lid. It actually looks half-way decent (with, or without, the feedline and plugs for the headphones and key sticking up out of the lid!), and there's room in the box for things like extra crystals and inductors, a circuit diagram, and test equipment. Shoot...I could even throw in a dipole and short RG-174 feedline!

On the Air

Wow, what a receiver, for something so simple! Of course, the bandwidth is huge, limited mostly by the frequency response of the audio circuitry, so most of the time, I was hearing 3 or 4 signals at once, some of them very high pitched, but still readable. With the toggle switch in the "variable capacitor inline" position, I get what seems like a few kHz of tuning range around 7.040. I have noticed no drifting during reception (transmitting is another story!). I get a little signal from BC stations on the 80-m band, but not on 40.

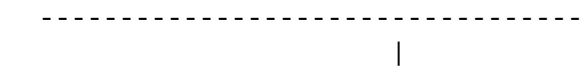
The receiver does exhibit one quirky behavior. It responds very
well to being touched! When I first power it up, or any time I've
been transmitting, the audio is quiet (some signals are readable).
The more I touch things, the more sensitive it gets. It doesn't
matter whether I'm moving the tuning knob, or just tap on the metal
lid of the box a few times. The first 3 or 4 times I touch it in
any way, the signals get louder. I'd suspect some sort of loose
connection, only, touching it never makes it worse, and it *always*
goes back to minimum when I transmit (which doesn't touch anything on
the main box). Once signals have grown louder in response to the box
being touched, they pretty much stay that way until I transmit again.
(Anyone have any idea what's up with that?)

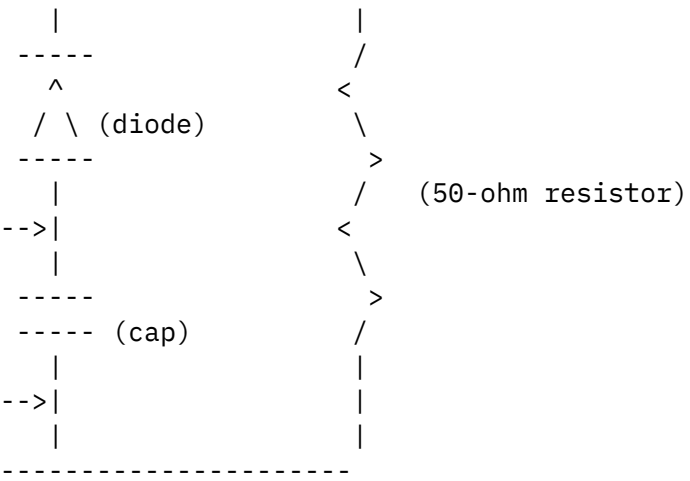
I'm still a little concerned about the output power. I got
no deflection at all on my wattmeter. My wattmeter has a
low power setting, with full scale at 10 watts, and the scale
expanded toward the low range. Half scale is a watt or two,
and the meter shows a full 2 watts out of my (borrowed) OHR QRP
Explorer II. 200 milliwatts is the first marked value on the
scale, so I thought I should see the meter move up to that value
when I transmit, but, it doesn't budge. No panic yet--I've heard
"My old standby wattmeter doesn't show any output at all out of my
QRPp transmitter!" before... perhaps this is normal.

So, my next step was to get on the repeater and have some folks
listen to my signal. No luck there, but still, not too worried,
since a fraction-watt signal would probably need line-of-sight to
make it very far. It could be they were just too far away to have
received a QRPp signal from my station except via skywave. Mark,
KD5AMB (who's building a Pixie of his own) had noticed that his
final gets warm after transmitting a while, so he suggested that
I hold the key down and see if the final got warm. I tried that,
and it did get warm (though not hot).

So, I powered up my (borrowed) OHR QRP Explorer II, with no antenna
connected, and had a listen. I could find the LO signal (though
it was very weak), and sure enough, when I pressed down the key,
it got much stronger than "very weak" although it still wasn't a
"very strong" signal. But, there was no antenna on the OHR, and
the Pixie2 is in a metal enclosure.

So, I can be pretty sure it's putting out *some* signal, but I'm
wondering if it's putting out *enough* signal. I'm going to need
to measure that. Let's see...is this how you do that?...





Can I just throw this together with test leads/alligator clips and
get a reasonably good idea of what's coming out of my final? (I know
there's a little arithmetic; I'm sure I can find that by digging
through old QRP-L's... hope I haven't missed the announcement about
the CD!) What kind of diode? I have some 1N914A's (I think that's
the number) small signal diodes like some crude receivers use in
the front end. Will one of those do? What size and type of cap?

Wow...this is fun stuff!

--Jim WB5UDE

Date: Mon, 12 Apr 1999 18:46:57 -0400
From: VE3JC - John C <jbcumming@wwdc.com>
To: bigdawg74@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37976] Re: Yesterdays Contest
Message-ID: <371277E0.5B056C01@wwdc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bradford D Bilbrey wrote:
>
> Hello All;
>   Yesterdays QRP Contest was the first CW QRP contest that I have
> ever participated in. The question is how to gauge one's performance. I
> would appreciate any and all opinions as to what measure of success
> should be expected.

Good question, Brad.
Here is what you do....

Start with your RAW contest score...

If your xyl did NOT throw all your belongings on to the front lawn
before the contest ended, add 100,000 points.

When you tried to catch a few hours sleep, if the drippy water faucet or
squeaky furnace fan didn't sound like someone calling you on CW,
subtract 200,000 points (you obviously weren't working hard enough in
the contest!)

If you did not use ANY profanity when QRM suddenly obliterated the 900
mW station sending you his QRP ARCI number, add 50,000 points

If you worked at least one person who you new by "name" as soon as you
heard the call, add 50,000 points (hey, I think I worked half the people
I sat with at last year's FDIM banquet! Of course, I said "tnx Russ" to
N7CQR - sorry, Dan! I get a BIG deduction!)

If you threw your paddle against the wall in disgust, 'cuz it couldn't
send what you told it to, subtract 100,000 points.

Finally, ask yourself if you had fun. If the answer is "yes" then
forget all the scoring above (including your contest score) and mark
the next contest on your calendar.

Hope to work you then!
                            72/73, JC

Date: 12 Apr 99 18:47:19 EDT
From: Roy Lincoln <wa4dou@usa.net>
To: jbcumming@wwdc.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37977] Re: [Contest Scoring - A suggestion]
Message-ID: <19990412224719.1123.qmail@www0t.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Hi John,
  The ARCI QRP QSO Parties are events principally sponsored for members t=
o
work members. In other words, it is a club event. The fact that non-membe=

rs
are invited to participate and are encouraged to work members by a multip=
lier
that is slanted to reward member contacts, is no more fair or unfair to
members or non-members alike. We all benefit directly from that " scoring=

system." And it keeps things slanted in the direction of the "club".
   I hope that isn't too ambiguous or vague!   73 Roy Lincoln
WA4DOU--=
-
--=
-
I had lots of fun in the limited time I was able to spend in the ARCI
Spring contest. Every time I start cranking through the contest entry
paperwork, I notice what seems to be one of life's little injustices ...

     I would humbly suggest that paid up members of the sponsoring club
should get a "multiplier". For example, under existing rules, if I am
NOT a QRP ARCI member, and I work YOU, a member, then I get 5 points and
YOU get TWO points. Is this "fair"? Does this encourage you to retain
your membership????? Does it encourage me to take out membership?
     If "paid up" members were allowed to use a 2X or 5X multiplier for ALL
contacts that they make in a club-sponsored contest, I think it would
actually encourage membership growth. =

     Just a thought...which I've had many times, but will gripe about only
once ;^) =

                  Vy 73/72, JC

    =

            | VE3JC John Cumming   =

     Q | Delaware, ON CANADA   =

     /\ | jbcumming@wwdc.com   =

   @` / ----   hf qrp cw bicycle mobile
  ( ) \( )   http://www.geocities.com/CapeCanaveral/Lab/7378/

Date: Tue, 13 Apr 1999 18:52:25 -0400
From: Andy C Meng <andymeng@juno.com>
To: qrp-l@lehigh.edu
Subject: [37978] lost an email
Message-ID: <19990413.185228.6878.0.andymeng@juno.com>

Would the gentleman who just sent me the multiple pages of
info on the Z-match tuner please send it again? SRI, my computer
accidentally restarted and I lost it.

Andy KC8KFI

End of QRP-L Digest 1424
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